

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082517\
 Data File : BF098050.D
 Acq On : 26 Aug 2017 00:31
 Operator : SJ/JU
 Sample : I4938-01MSD
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IRON-LEAF-TOPSOILMSD

Quant Time: Aug 26 01:11:19 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	100946	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	360173	20.00	ng	0.00
38) Acenaphthene-d10	9.78	164	138369	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	262817	20.00	ng	0.00
75) Chrysene-d12	13.90	240	173992	20.00	ng	0.00
86) Perylene-d12	15.33	264	126132	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	682960	102.91	ng	0.00
7) Phenol-d6	6.39	99	909656	100.88	ng	0.00
23) Nitrobenzene-d5	7.31	82	525941	79.33	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	127353	106.08	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	708004	75.18	ng	0.00
78) Terphenyl-d14	12.85	244	601586	72.10	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.40	88	114594	30.96	ng	89
3) Pyridine	3.12	79	355235	34.72	ng	# 85
4) n-Nitrosodimethylamine	3.07	42	146798	37.29	ng	# 78
6) Aniline	6.41	93	349450	27.59	ng	94
8) 2-Chlorophenol	6.53	128	276731	39.54	ng	98
9) Benzaldehyde	6.29	77	146913	25.72	ng	91
10) Phenol	6.40	94	429192	40.70	ng	97
11) bis(2-Chloroethyl)ether	6.49	93	339512	42.65	ng	91
12) 1,3-Dichlorobenzene	6.69	146	272727	36.23	ng	# 95
13) 1,4-Dichlorobenzene	6.76	146	278941	36.43	ng	94
14) 1,2-Dichlorobenzene	6.92	146	260378	36.88	ng	99
15) Benzyl Alcohol	6.89	79	267107	39.57	ng	94
16) 2,2'-oxybis(1-Chloropropan	7.03	45	387976	36.23	ng	90
17) 2-Methylphenol	7.00	107	240572	39.01	ng	97
18) Hexachloroethane	7.26	117	74487	24.81	ng	# 84
19) n-Nitroso-di-n-propylamine	7.16	70	207550	33.62	ng	89
20) 3+4-Methylphenols	7.16	107	287756	38.20	ng	# 87
22) Acetophenone	7.16	105	388554	40.84	ng	# 89
24) Nitrobenzene	7.33	77	330631	44.79	ng	92
25) Isophorone	7.57	82	561167	40.70	ng	97
26) 2-Nitrophenol	7.65	139	93566	36.41	ng	# 81
27) 2,4-Dimethylphenol	7.69	122	232357	40.41	ng	94
28) bis(2-Chloroethoxy)methane	7.78	93	361913	39.93	ng	98
29) 2,4-Dichlorophenol	7.89	162	189123	39.63	ng	92
30) 1,2,4-Trichlorobenzene	7.97	180	198744	37.56	ng	99
31) Naphthalene	8.05	128	721058	38.56	ng	100
32) Benzoic acid	7.81	122	140874	35.55	ng	88
33) 4-Chloroaniline	8.11	127	241589	30.64	ng	98
34) Hexachlorobutadiene	8.17	225	115281	37.32	ng	97
35) Caprolactam	8.46	113	65165	40.16	ng	91
36) 4-Chloro-3-methylphenol	8.59	107	216060	35.23	ng	# 80
37) 2-Methylnaphthalene	8.74	142	439267	38.32	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.90	216	174570	41.11	ng	99
40) Hexachlorocyclopentadiene	8.89	237	13024	6.38	ng	97

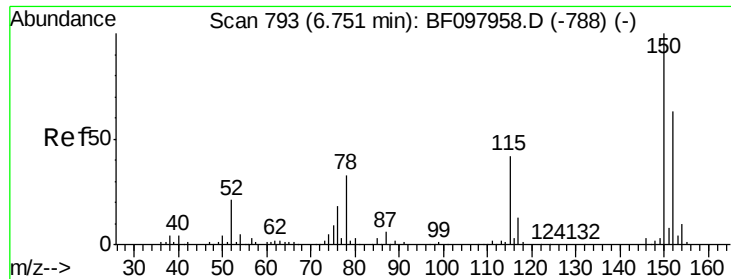
Data Path : Z:\HPCHEM1\BNA F\DATA\BF082517\
 Data File : BF098050.D
 Acq On : 26 Aug 2017 00:31
 Operator : SJ/JU
 Sample : I4938-01MSD
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IRON-LEAF-TOPSOILMSD

Quant Time: Aug 26 01:11:19 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.02	196	116242	40.77	nq	96
43) 2,4,5-Trichlorophenol	9.06	196	119294	42.18	nq	96
45) 1,1'-Biphenyl	9.20	154	489774	38.82	nq	96
46) 2-Chloronaphthalene	9.23	162	359586	38.57	nq	# 91
47) 2-Nitroaniline	9.33	65	163743	52.39	nq	99
48) Acenaphthylene	9.64	152	655729	44.79	nq	100
49) Dimethylphthalate	9.50	163	504014	49.83	nq	99
50) 2,6-Dinitrotoluene	9.57	165	70693	35.02	nq	# 72
51) Acenaphthene	9.82	154	347843	37.67	nq	99
52) 3-Nitroaniline	9.73	138	118429	45.47	nq	86
53) 2,4-Dinitrophenol	9.85	184	2847	12.73	nq	84
54) Dibenzofuran	9.99	168	521771	42.16	nq	98
55) 4-Nitrophenol	9.90	139	150005	72.19	nq	# 32
56) 2,4-Dinitrotoluene	9.97	165	83194	32.84	nq	# 51
57) Fluorene	10.33	166	406650	42.50	nq	96
58) 2,3,4,6-Tetrachlorophenol	10.10	232	98798	45.12	nq	93
59) Diethylphthalate	10.20	149	425035	40.18	nq	99
60) 4-Chlorophenyl-phenylether	10.32	204	174179	39.19	nq	# 86
61) 4-Nitroaniline	10.35	138	126007	50.90	nq	76
62) Azobenzene	10.48	77	489821	38.99	nq	94
64) 4,6-Dinitro-2-methylphenol	10.38	198	2487	9.98	nq	# 82
65) n-Nitrosodiphenylamine	10.44	169	342234	38.24	nq	99
66) 4-Bromophenyl-phenylether	10.81	248	104325	38.23	nq	93
67) Hexachlorobenzene	10.87	284	100476	36.12	nq	# 86
68) Atrazine	10.97	200	86318	36.37	nq	97
69) Pentachlorophenol	11.07	266	115516	71.22	nq	97
70) Phenanthrene	11.29	178	841306	60.07	nq	100
71) Anthracene	11.34	178	698992	49.21	nq	100
72) Carbazole	11.49	167	566773	42.04	nq	98
73) Di-n-butylphthalate	11.83	149	647044	41.66	nq	99
74) Fluoranthene	12.48	202	1248130	85.38	nq	100
76) Benzidine	12.60	184	111926	19.62	nq	95
77) Pyrene	12.70	202	1234918	86.78	nq	99
79) Butylbenzylphthalate	13.32	149	275721	50.54	nq	# 70
80) Benzo(a)anthracene	13.89	228	647795	62.12	nq	98
81) 3,3'-Dichlorobenzidine	13.85	252	123038	34.97	nq	# 96
82) Chrysene	13.93	228	632148	60.94	nq	98
83) Bis(2-ethylhexyl)phthalate	13.89	149	314894	52.08	nq	# 99
84) Di-n-octyl phthalate	14.50	149	487863	46.38	nq	99
85) Indeno(1,2,3-cd)pyrene	16.56	276	21854	2.86	nq	96
87) Benzo(b)fluoranthene	14.92	252	525127	66.05	nq	99
88) Benzo(k)fluoranthene	14.95	252	403211	53.98	nq	# 95
89) Benzo(a)pyrene	15.27	252	473962	67.34	nq	99
90) Dibenzo(a,h)anthracene	16.74	278	256743	44.81	nq	97
91) Benzo(g,h,i)perylene	17.15	276	340887	57.02	nq	# 92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

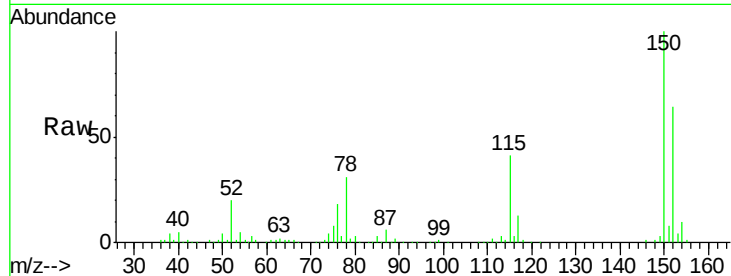


#1

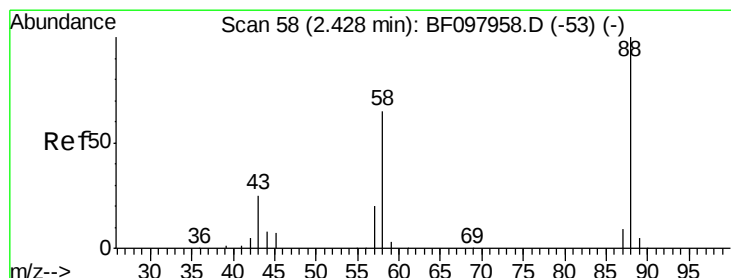
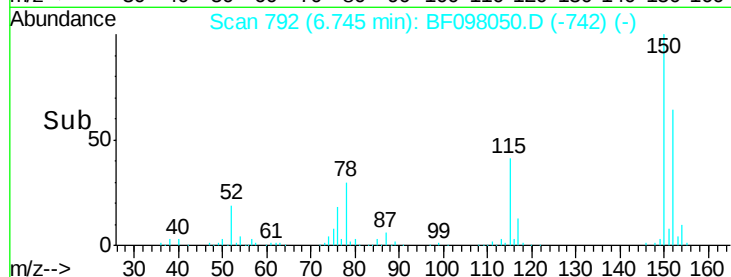
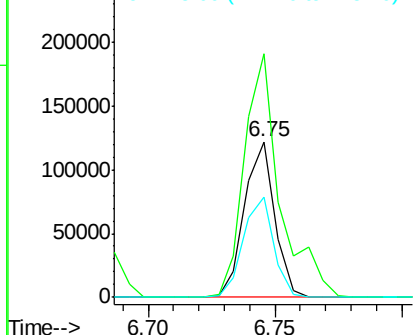
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.75 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF098050.D
Acq: 26 Aug 2017 00:31

Instrument :
BNA_F
ClientSampleId :
IRON-LEAF-TOPSOILMSD

Tot Ion:152 Resp: 100946
Ion Ratio Lower Upper
152 100
150 156.5 126.2 189.2
115 64.3 52.2 78.2



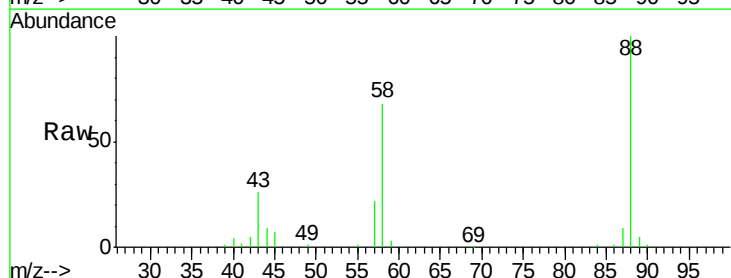
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



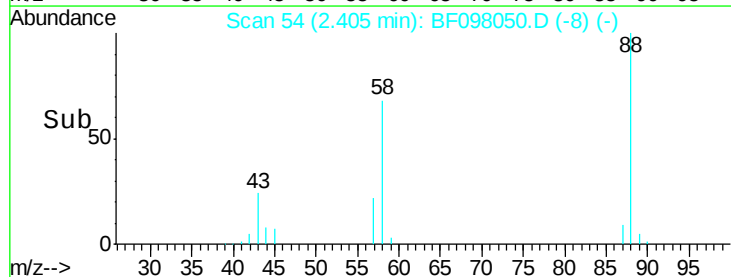
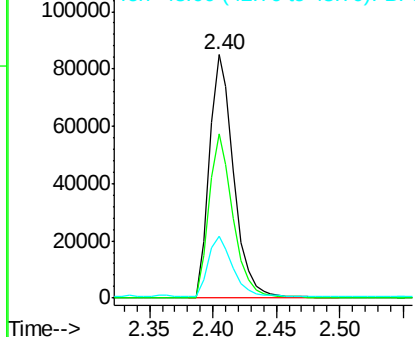
#2

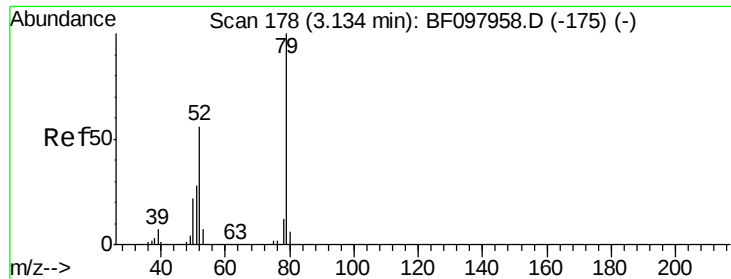
1,4-Dioxane
Concen: 30.96 ng
RT: 2.40 min Scan# 54
Delta R.T. -0.03 min
Lab File: BF098050.D
Acq: 26 Aug 2017 00:31

Tgt Ion: 88 Resp: 114594
Ion Ratio Lower Upper
88 100
58 66.6 61.4 92.0
43 25.3 23.4 35.0



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0

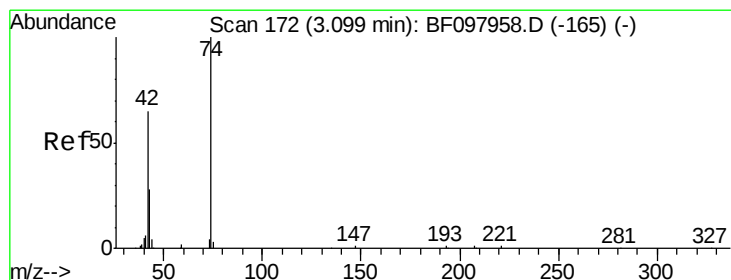
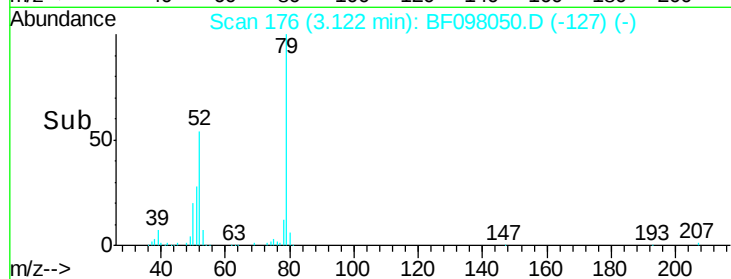
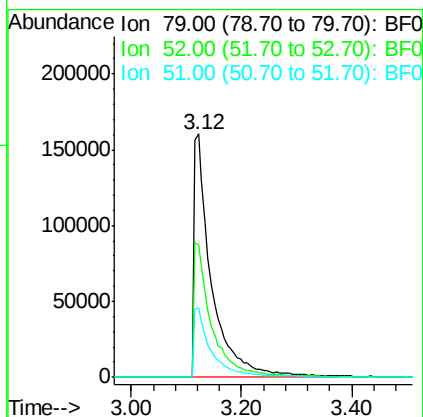
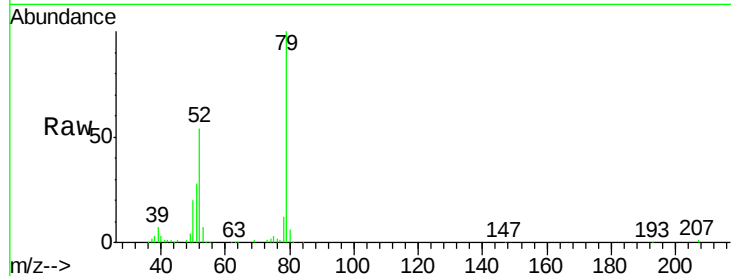




#3
Pvrirdine
Concen: 34.72 ng
RT: 3.12 min Scan# 176
Delta R.T. -0.01 min
Lab File: BF098050.D
Acq: 26 Aug 2017 00:31

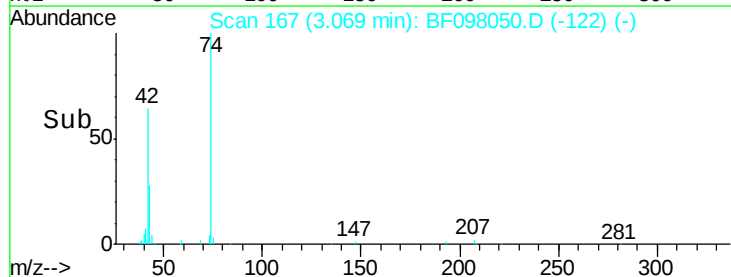
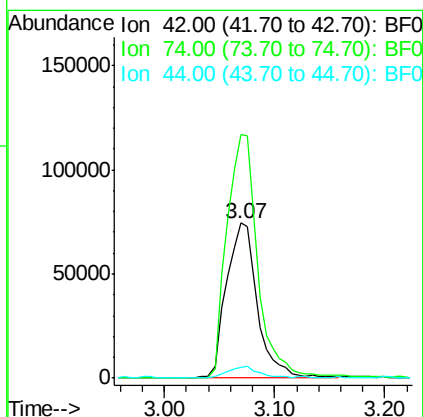
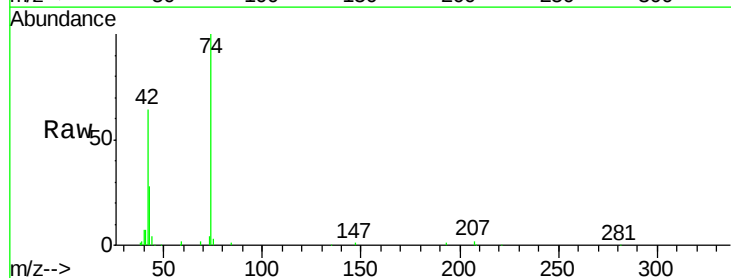
Instrument :
BNA_F
ClientSampleId :
IRON-LEAF-TOPSOILMSD

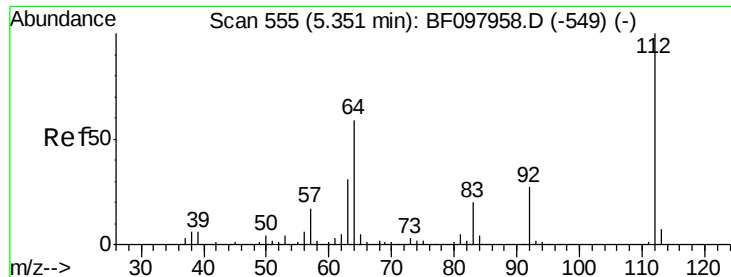
Tot Ion	Ion	Ratio	Lower	Upper
79	79	100		
52	52	54.1	54.8	82.2#
51	51	28.5	27.0	40.4



#4
n-Nitrosodimethylamine
Concen: 37.29 ng
RT: 3.07 min Scan# 167
Delta R.T. -0.04 min
Lab File: BF098050.D
Acq: 26 Aug 2017 00:31

Tgt Ion	Ion	Ratio	Lower	Upper
42	42	100		
74	74	157.1	103.9	155.9#
44	44	6.9	5.7	8.5





#5

2-Fluorophenol

Concen: 102.91 ng

RT: 5.35 min Scan# 555

Delta R.T. 0.00 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Instrument :

BNA_F

ClientSampleId :

IRON-LEAF-TOPSOILMSD

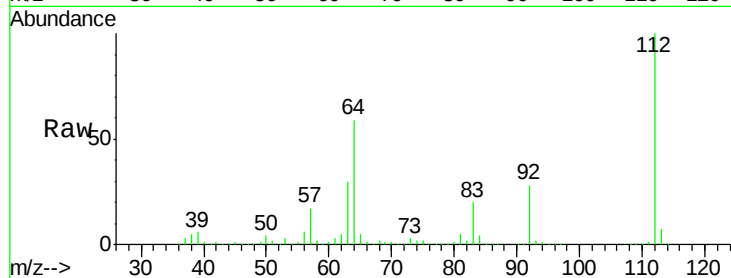
Tot Ion:112 Resp: 682960

Ion Ratio Lower Upper

112 100

64 59.2 46.0 69.0

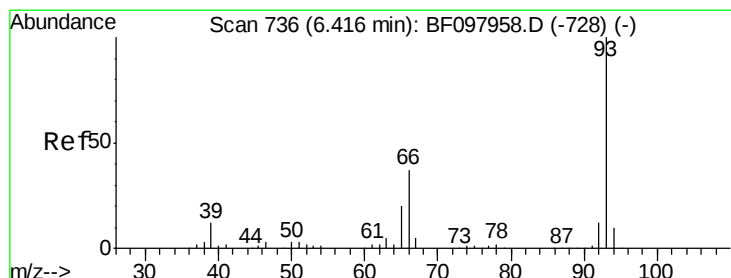
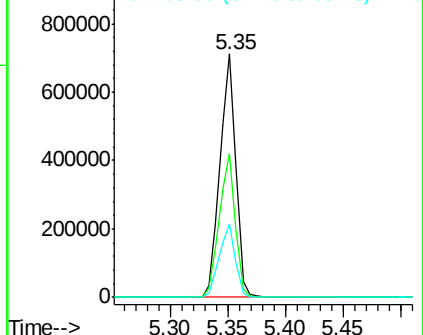
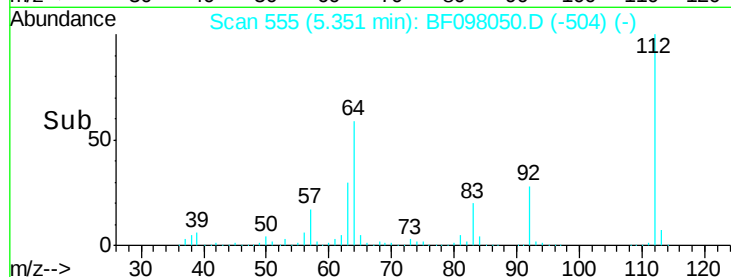
63 30.1 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 27.59 ng

RT: 6.41 min Scan# 735

Delta R.T. -0.01 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

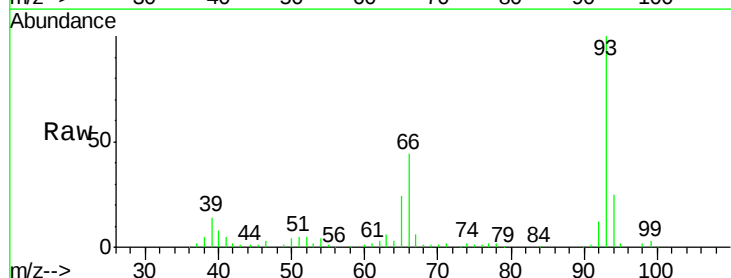
Tgt Ion: 93 Resp: 349450

Ion Ratio Lower Upper

93 100

66 44.5 32.9 49.3

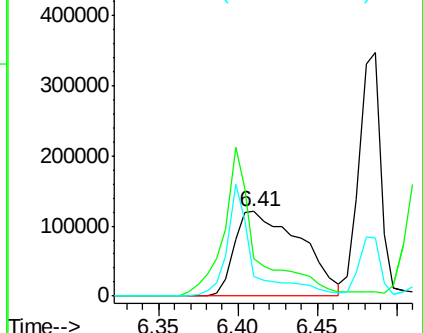
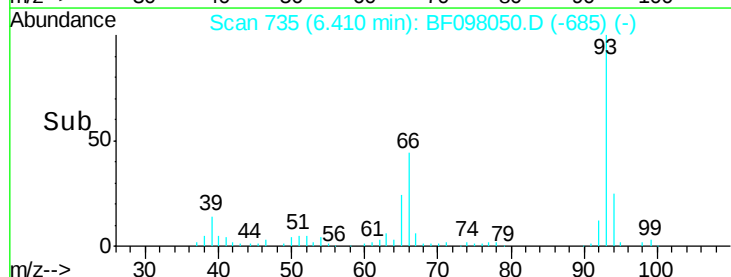
65 24.0 16.0 24.0

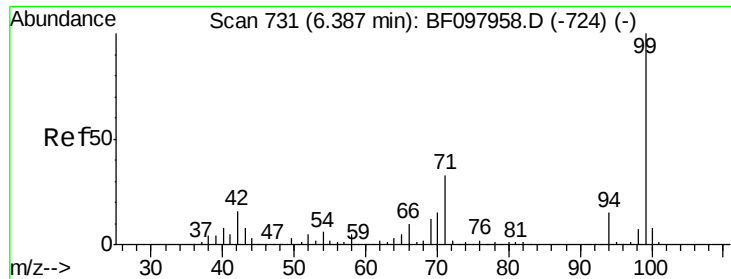


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 100.88 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Instrument :

BNA_F

ClientSampleId :

IRON-LEAF-TOPSOILMSD

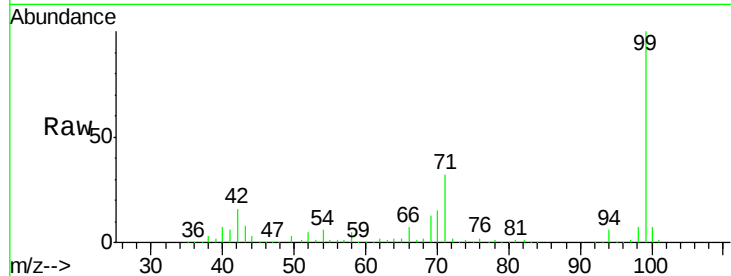
Tot Ion: 99 Resp: 909656

Ion Ratio Lower Upper

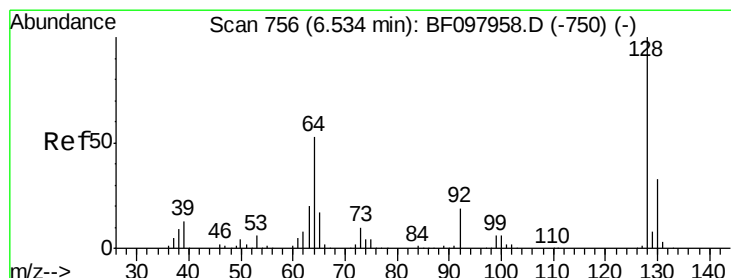
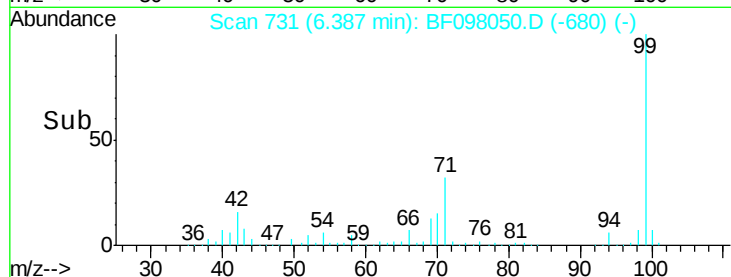
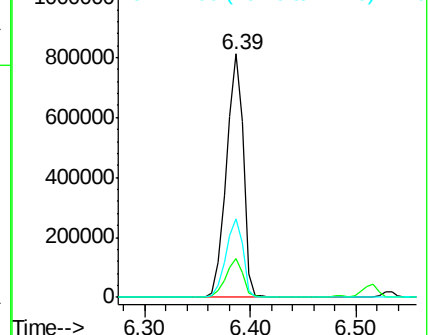
99 100

42 15.8 13.5 20.3

71 32.5 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 39.54 ng

RT: 6.53 min Scan# 756

Delta R.T. 0.00 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

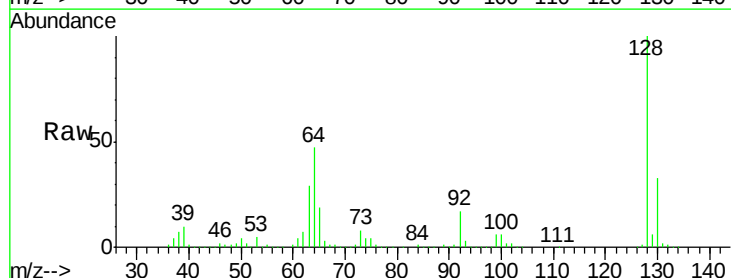
Tgt Ion: 128 Resp: 276731

Ion Ratio Lower Upper

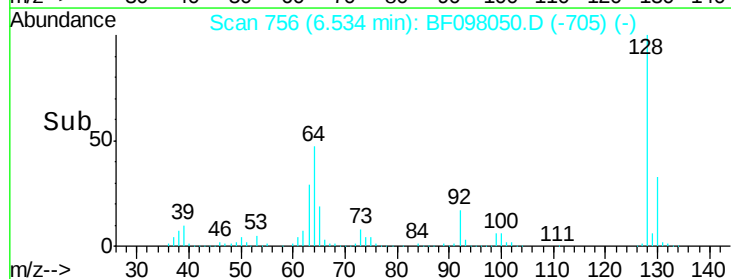
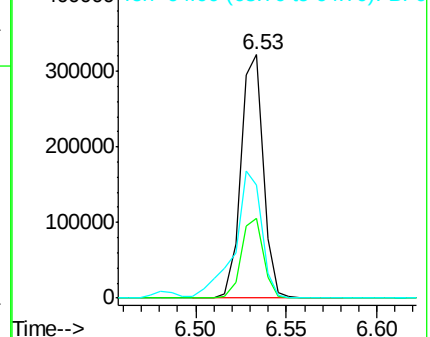
128 100

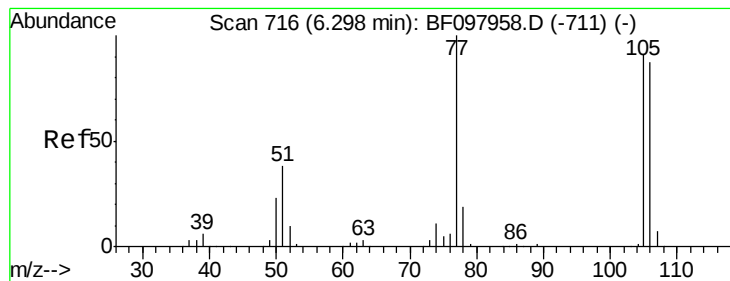
130 32.9 12.9 52.9

64 46.7 28.4 68.4



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 25.72 ng

RT: 6.29 min Scan# 715

Delta R.T. -0.01 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Instrument :

BNA_F

ClientSampleId :

IRON-LEAF-TOPSOILMSD

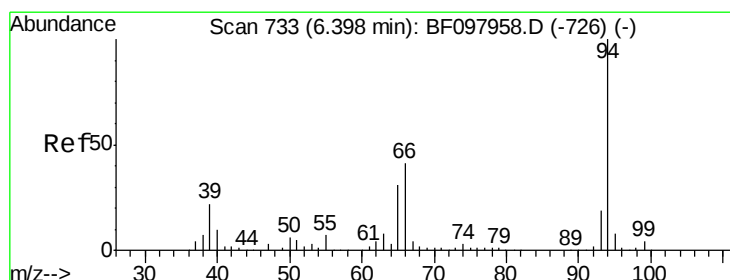
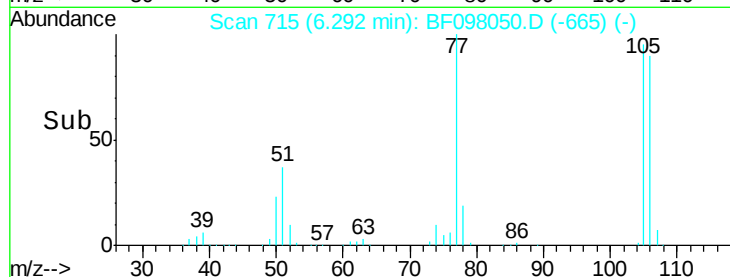
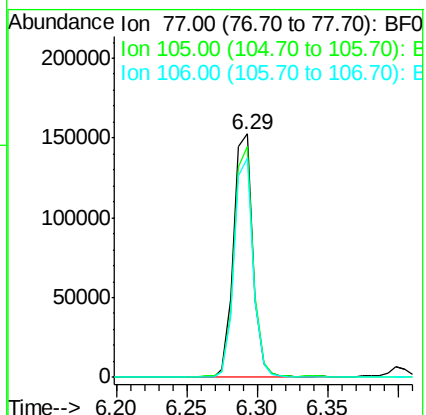
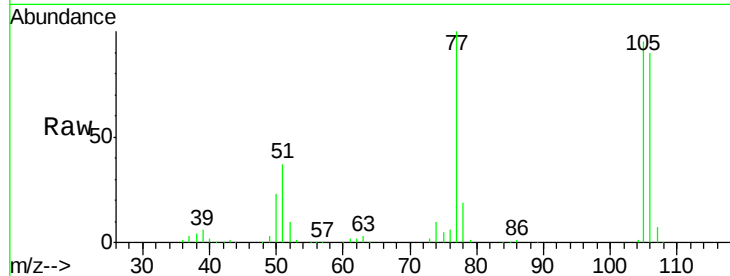
Tot Ion: 77 Resp: 146913

Ion Ratio Lower Upper

77 100

105 94.7 83.8 123.8

106 89.8 79.1 119.1



#10

Phenol

Concen: 40.70 ng

RT: 6.40 min Scan# 733

Delta R.T. 0.00 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

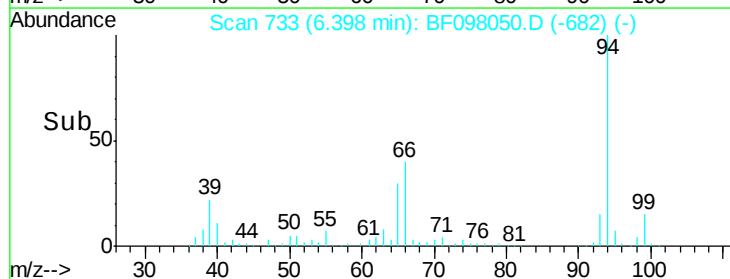
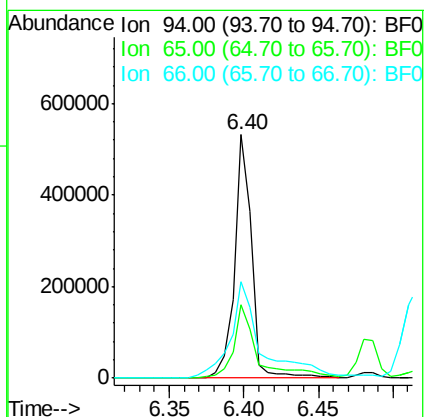
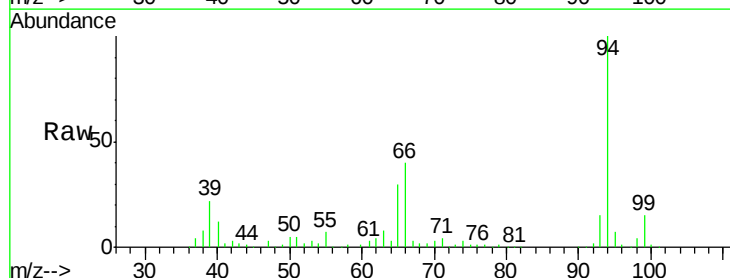
Tgt Ion: 94 Resp: 429192

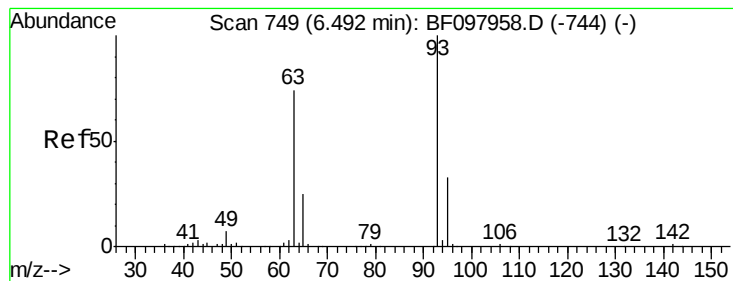
Ion Ratio Lower Upper

94 100

65 29.9 9.9 49.9

66 39.8 23.1 63.1





#11

bis(2-Chloroethyl)ether

Concen: 42.65 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Instrument :

BNA_F

ClientSampleId :

IRON-LEAF-TOPSOILMSD

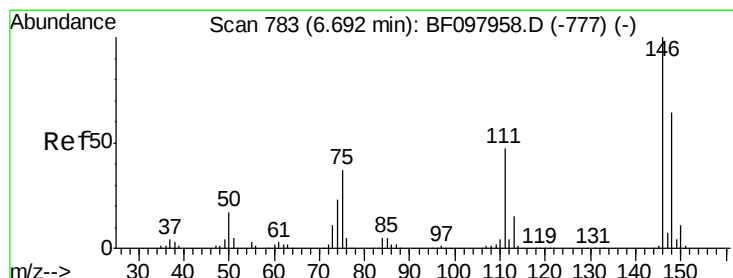
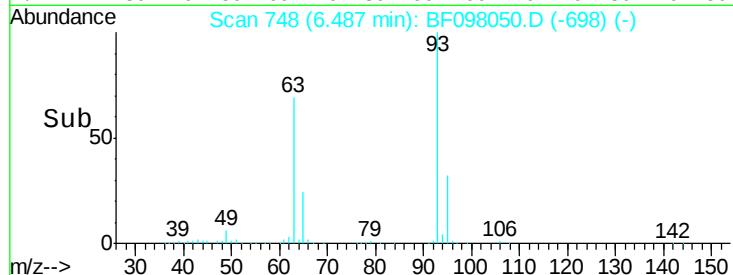
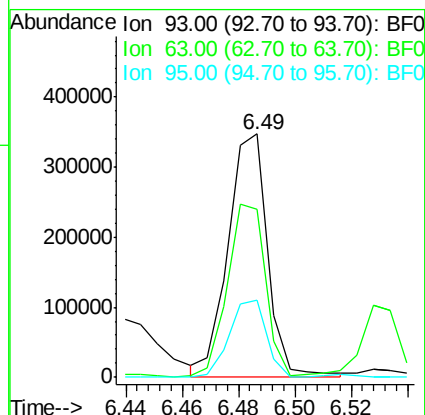
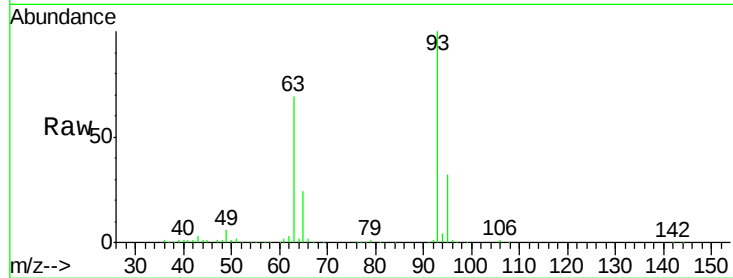
Tot Ion: 93 Resp: 339512

Ion Ratio Lower Upper

93 100

63 69.0 59.2 99.2

95 31.6 12.8 52.8



#12

1,3-Dichlorobenzene

Concen: 36.23 ng

RT: 6.69 min Scan# 782

Delta R.T. -0.01 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

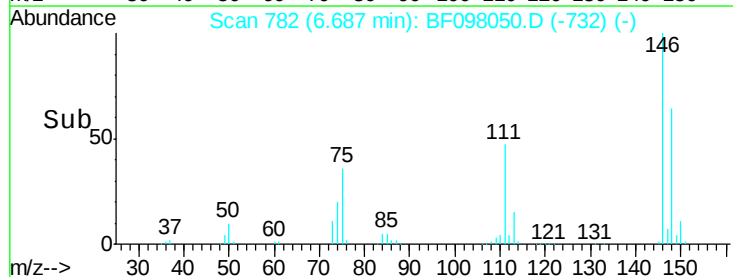
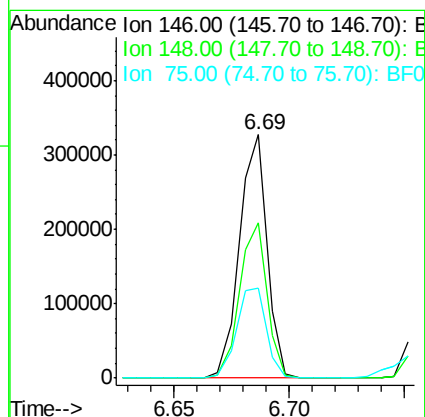
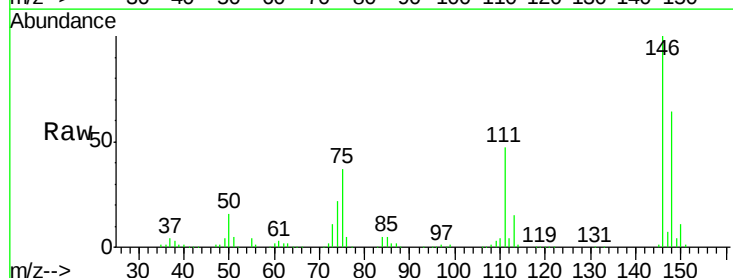
Tgt Ion: 146 Resp: 272727

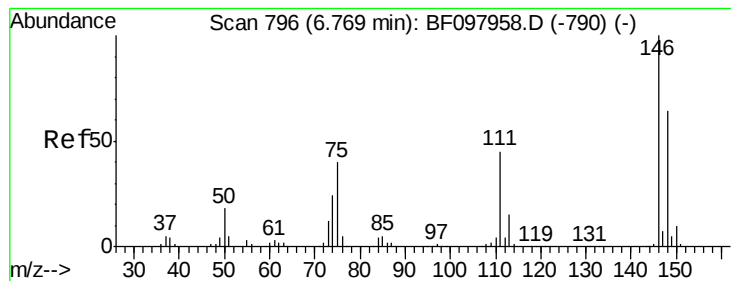
Ion Ratio Lower Upper

146 100

148 63.8 51.8 77.6

75 36.8 23.1 34.7#





#13

1,4-Dichlorobenzene

Concen: 36.43 ng

RT: 6.76 min Scan# 795

Delta R.T. -0.01 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Instrument :

BNA_F

ClientSampleId :

IRON-LEAF-TOPSOILMSD

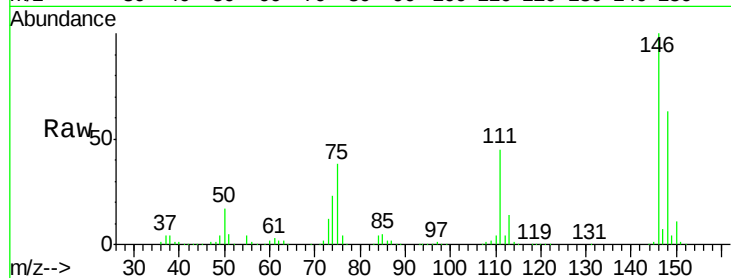
Tot Ion:146 Resp: 278941

Ion Ratio Lower Upper

146 100

148 63.0 52.2 78.2

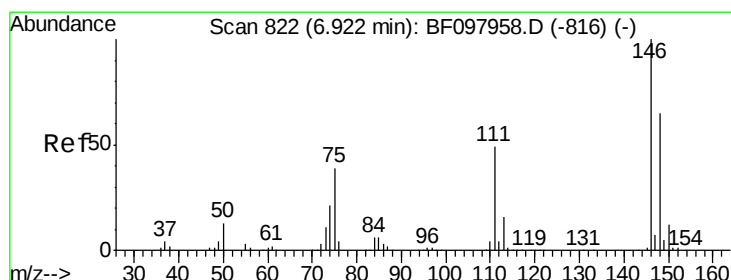
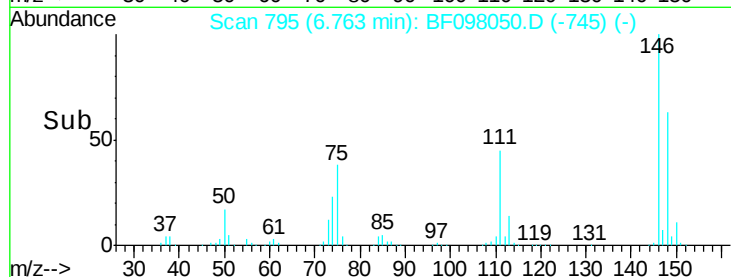
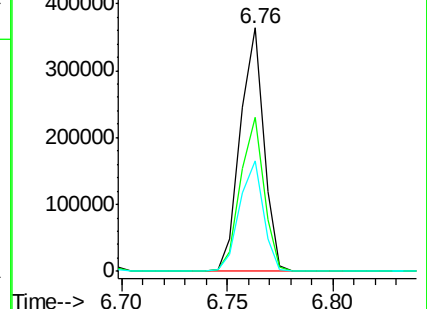
111 45.4 30.3 45.5



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 36.88 ng

RT: 6.92 min Scan# 821

Delta R.T. -0.01 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

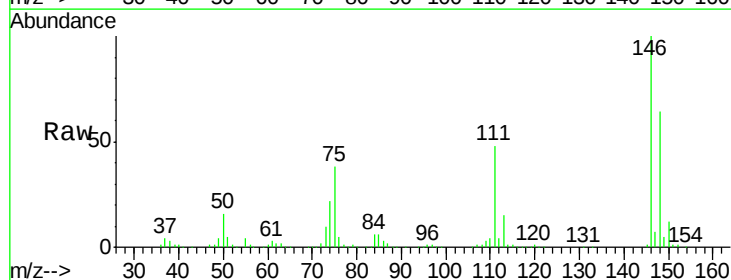
Tgt Ion:146 Resp: 260378

Ion Ratio Lower Upper

146 100

148 64.0 50.4 75.6

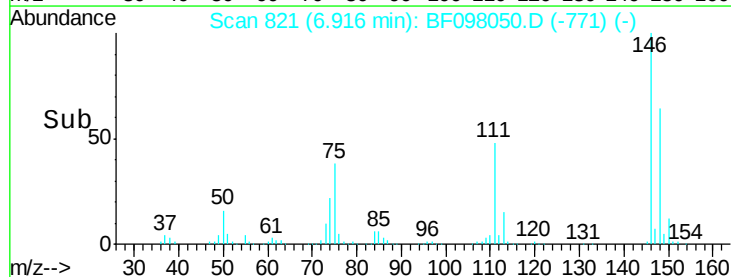
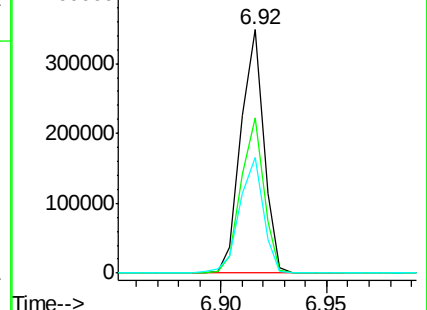
111 47.5 38.2 57.4

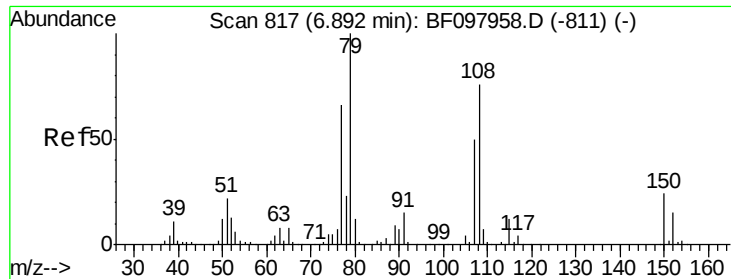


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 39.57 ng

RT: 6.89 min Scan# 816

Delta R.T. -0.01 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Instrument :

BNA_F

ClientSampleId :

IRON-LEAF-TOPSOILMSD

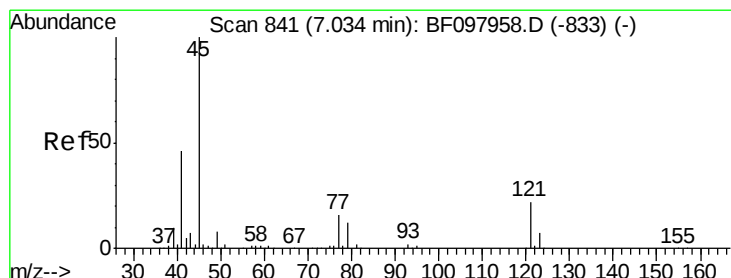
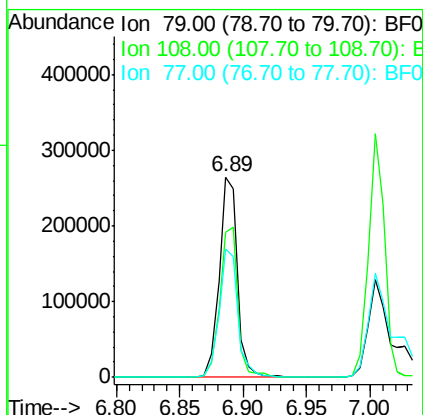
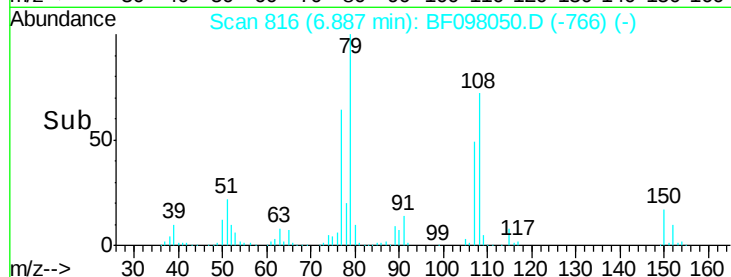
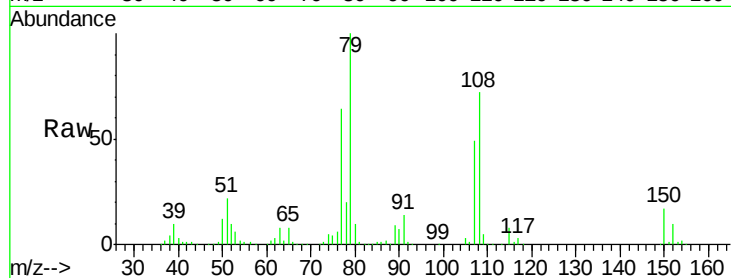
Tot Ion: 79 Resp: 267107

Ion Ratio Lower Upper

79 100

108 72.2 63.4 95.0

77 63.8 49.2 73.8



#16

2,2'-oxybis(1-chloropropane)

Concen: 36.23 ng

RT: 7.03 min Scan# 840

Delta R.T. -0.01 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

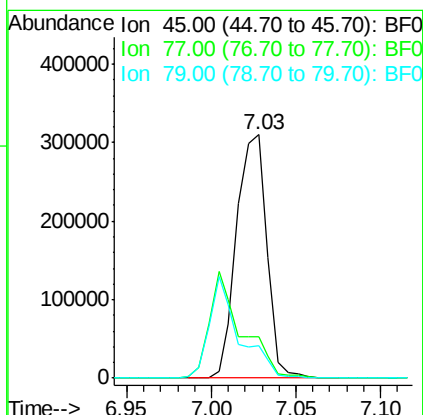
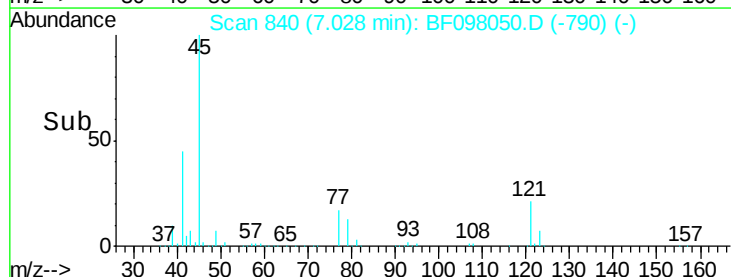
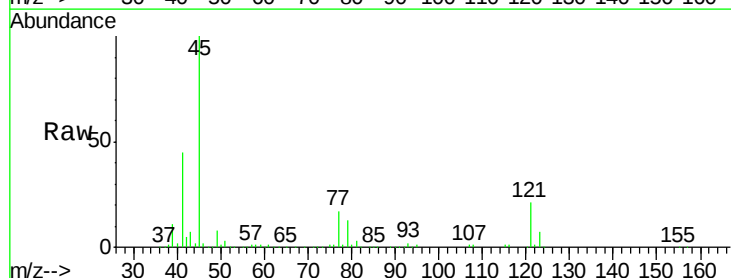
Tgt Ion: 45 Resp: 387976

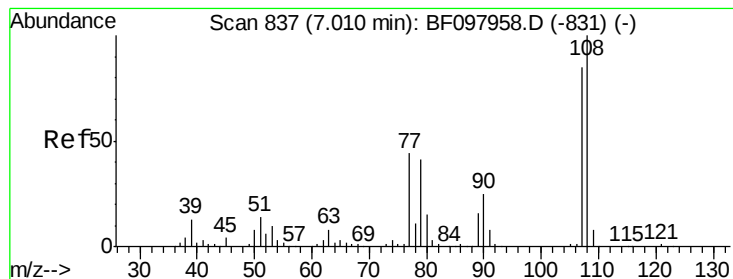
Ion Ratio Lower Upper

45 100

77 17.2 0.0 33.2

79 13.5 0.0 30.0





#17

2-Methylphenol

Concen: 39.01 ng

RT: 7.00 min Scan# 836

Delta R.T. -0.01 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Instrument :

BNA_F

ClientSampleId :

IRON-LEAF-TOPSOILMSD

Tot Ion:107 Resp: 240572

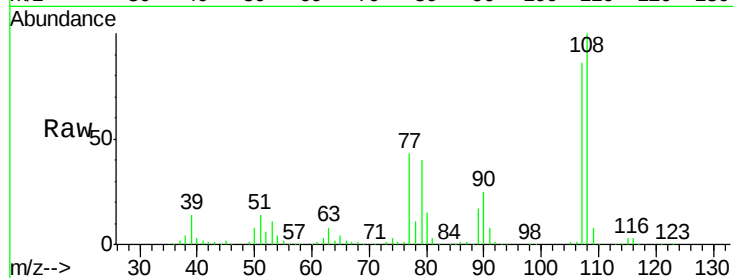
Ion Ratio Lower Upper

107 100

108 116.2 93.4 140.0

77 49.4 35.8 53.6

79 46.7 34.8 52.2

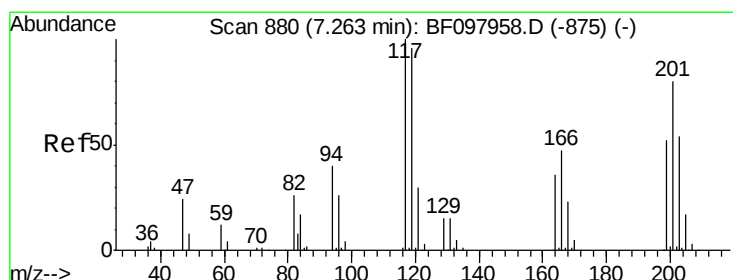
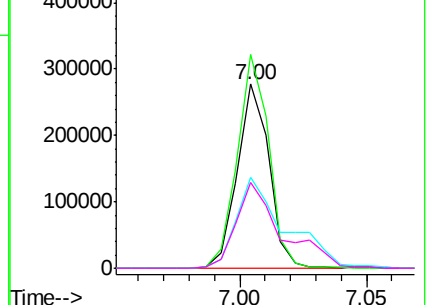
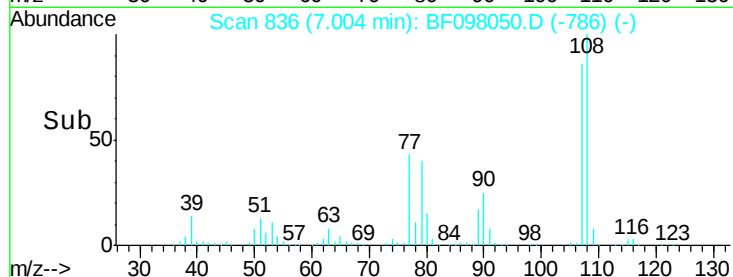


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 24.81 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.01 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

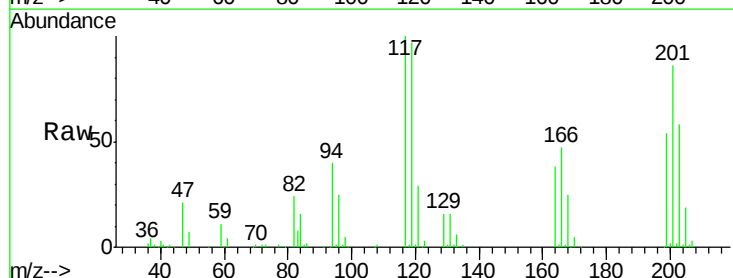
Tgt Ion:117 Resp: 74487

Ion Ratio Lower Upper

117 100

119 96.7 77.4 116.0

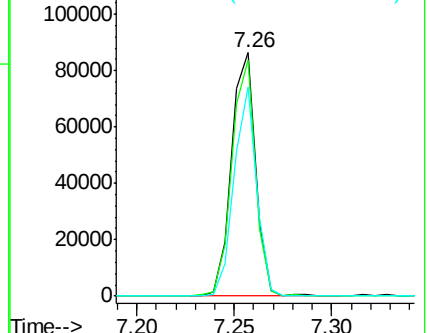
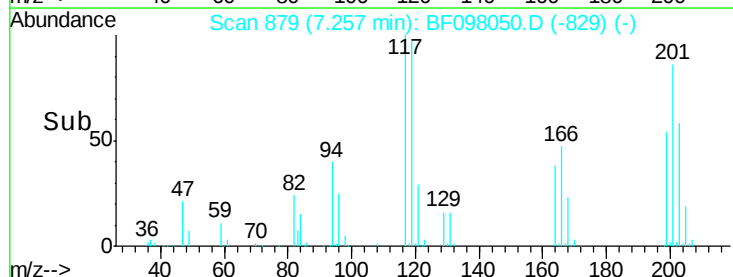
201 85.8 94.6 141.8#

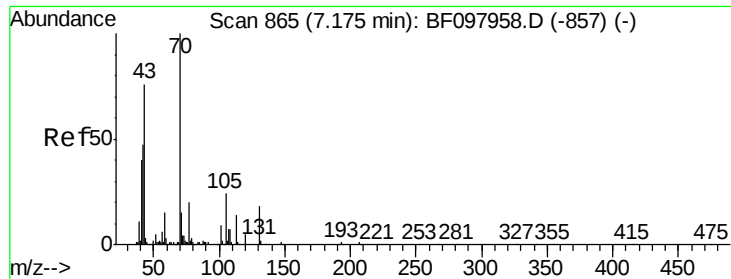


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

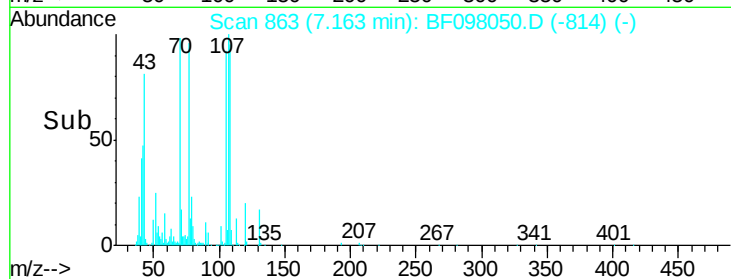
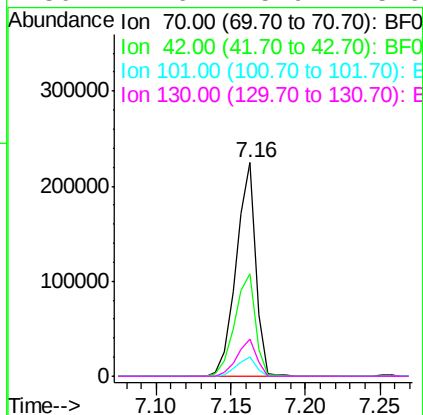
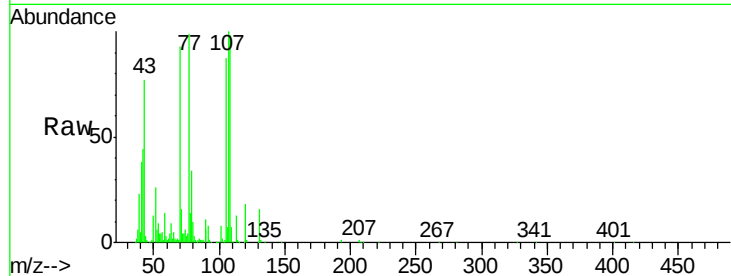




#19
n-Nitroso-di-n-propylamine
Concen: 33.62 ng
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: BF098050.D
Acq: 26 Aug 2017 00:31

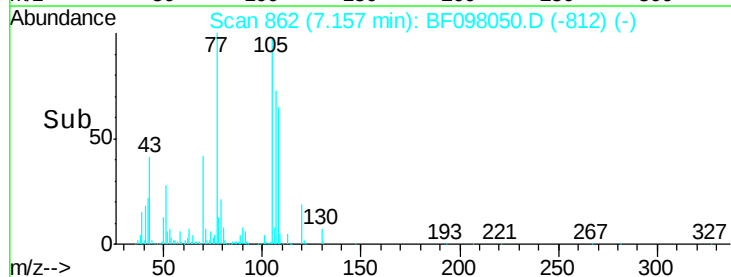
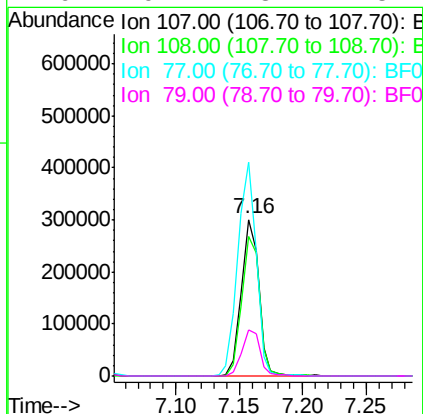
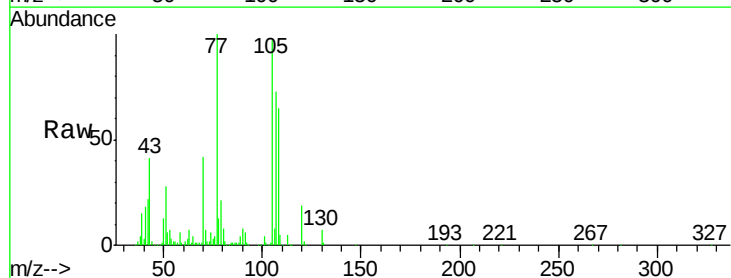
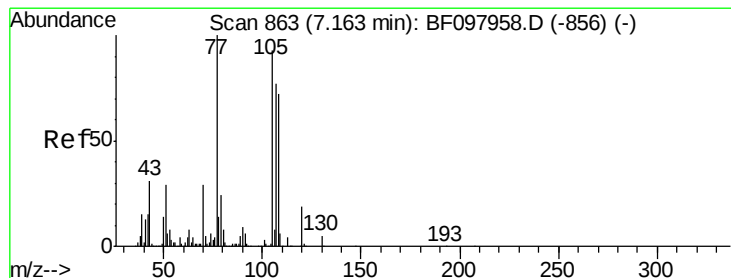
Instrument :
BNA_F
ClientSampleId :
IRON-LEAF-TOPSOILMSD

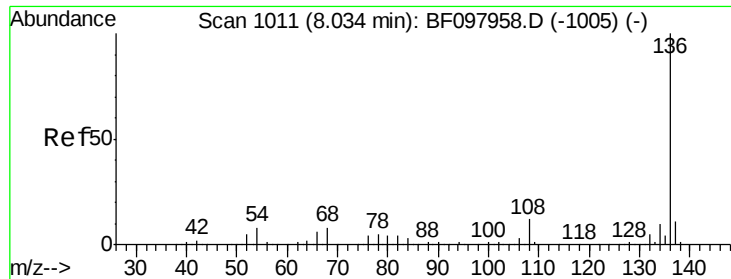
Tot Ion:	70	Resp:	207550
Ion	Ratio	Lower	Upper
70	100		
42	47.9	47.2	70.8
101	8.8	7.2	10.8
130	17.6	15.9	23.9



#20
3+4-Methylphenols
Concen: 38.20 ng
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: BF098050.D
Acq: 26 Aug 2017 00:31

Tgt Ion:	107	Resp:	287756
Ion	Ratio	Lower	Upper
107	100		
108	89.4	71.0	111.0
77	136.7	90.5	130.5#
79	29.2	8.4	48.4

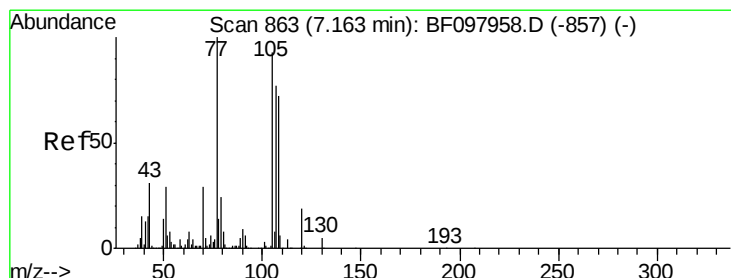
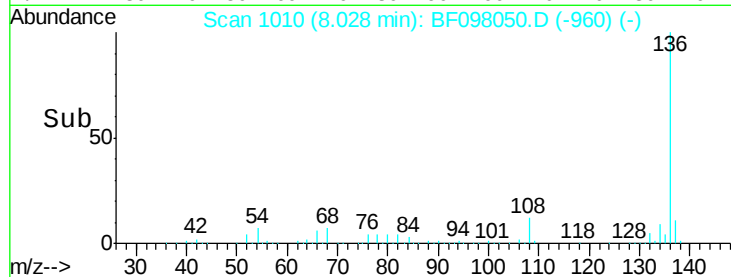
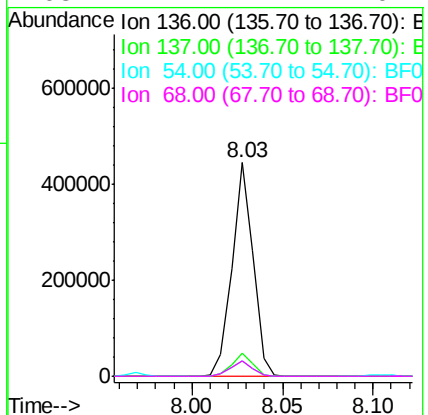
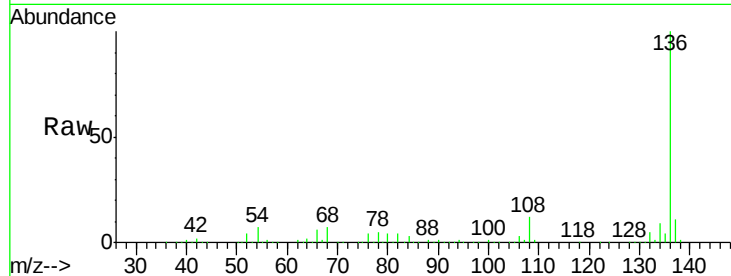




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.03 min Scan# 1010
Delta R.T. -0.01 min
Lab File: BF098050.D
Acq: 26 Aug 2017 00:31

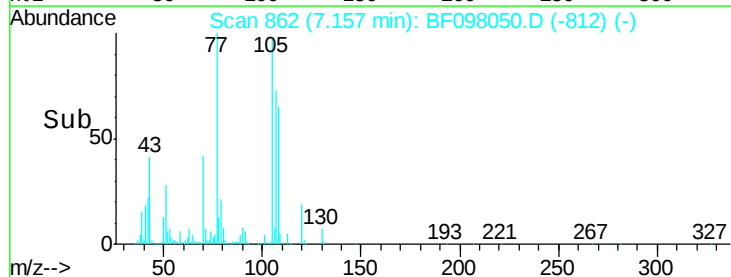
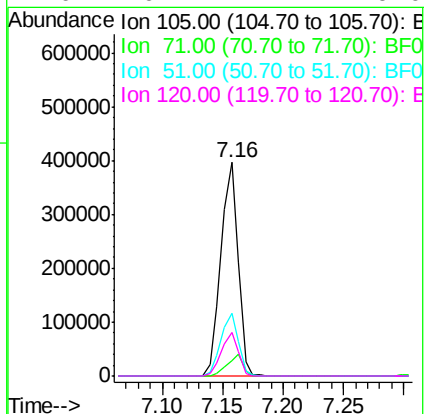
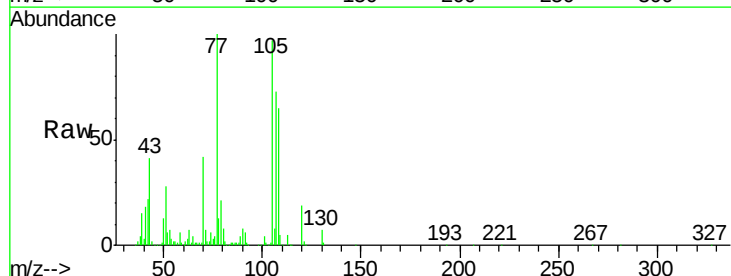
Instrument :
BNA_F
ClientSampleId :
IRON-LEAF-TOPSOILMSD

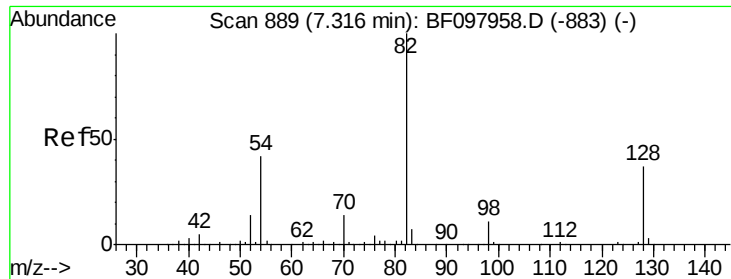
Tot Ion:136	Resp:	360173
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.5 12.7
54	7.3	4.9 7.3#
68	7.1	4.1 6.1#



#22
Acetophenone
Concen: 40.84 ng
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: BF098050.D
Acq: 26 Aug 2017 00:31

Tgt Ion:105	Resp:	388554
Ion Ratio	Lower	Upper
105	100	
71	7.3	2.8 4.2#
51	29.5	30.7 46.1#
120	20.1	17.4 26.0

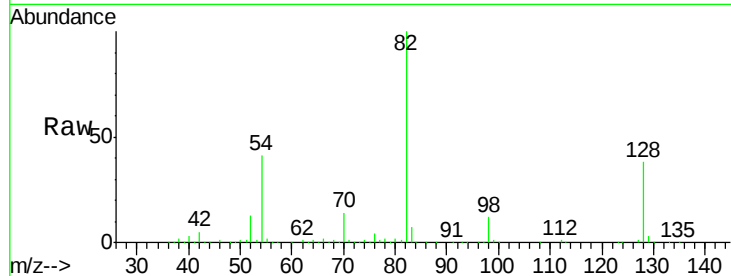




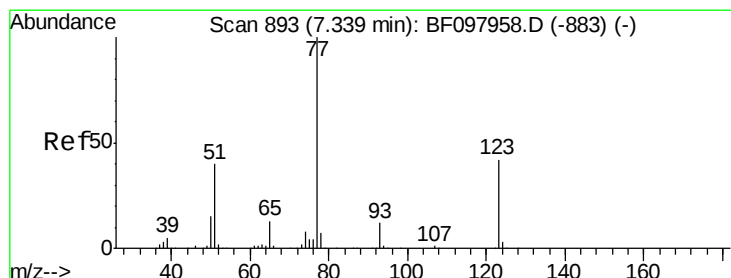
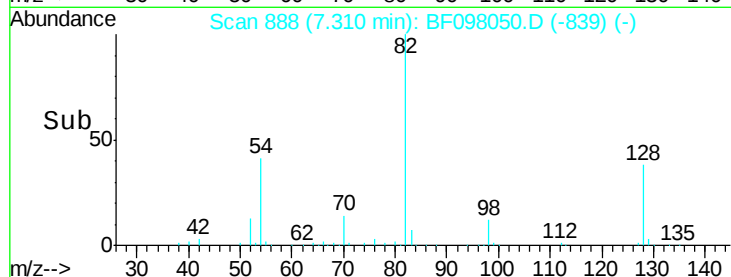
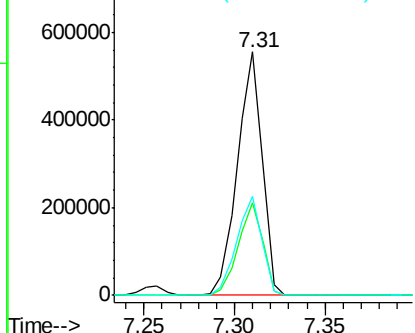
#23
 Nitrobenzene-d5
 Concen: 79.33 ng
 RT: 7.31 min Scan# 888
 Delta R.T. -0.01 min
 Lab File: BF098050.D
 Acq: 26 Aug 2017 00:31

Instrument :
 BNA_F
 ClientSampleId :
 IRON-LEAF-TOPSOILMSD

Tot Ion: 82 Resp: 525941
 Ion Ratio Lower Upper
 82 100
 128 38.1 34.0 51.0
 54 40.9 42.2 63.2#

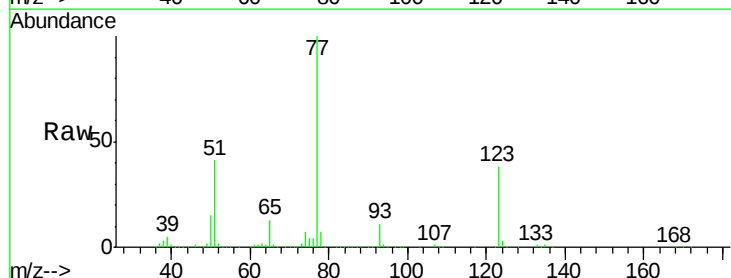


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

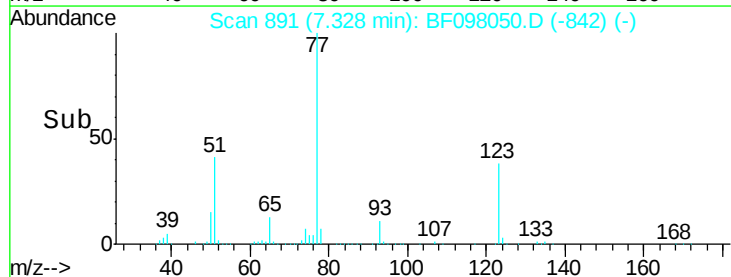
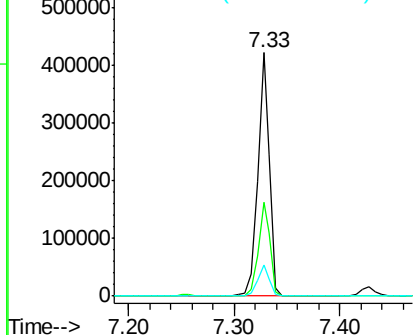


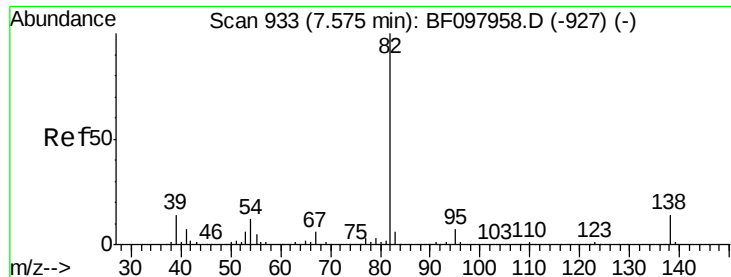
#24
 Nitrobenzene
 Concen: 44.79 ng
 RT: 7.33 min Scan# 891
 Delta R.T. -0.01 min
 Lab File: BF098050.D
 Acq: 26 Aug 2017 00:31

Tgt Ion: 77 Resp: 330631
 Ion Ratio Lower Upper
 77 100
 123 38.3 35.8 53.8
 65 13.0 10.6 15.8



Abundance Ion 77.00 (76.70 to 77.70): BF0
 Ion 123.00 (122.70 to 123.70): B
 Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 40.70 ng

RT: 7.57 min Scan# 932

Delta R.T. -0.01 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Instrument :

BNA_F

ClientSampleId :

IRON-LEAF-TOPSOILMSD

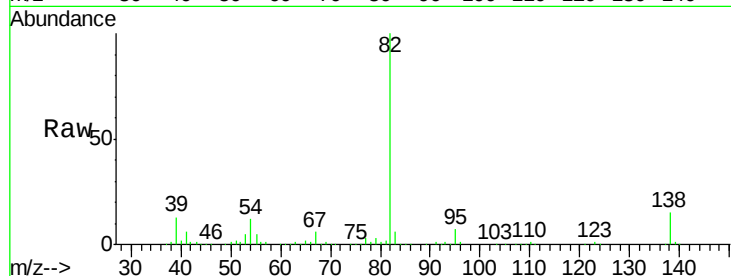
Tot Ion: 82 Resp: 561167

Ion Ratio Lower Upper

82 100

95 6.5 5.3 7.9

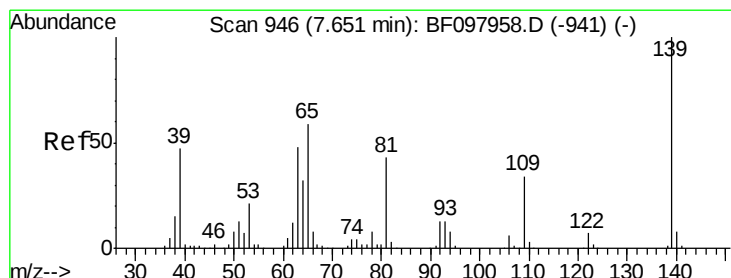
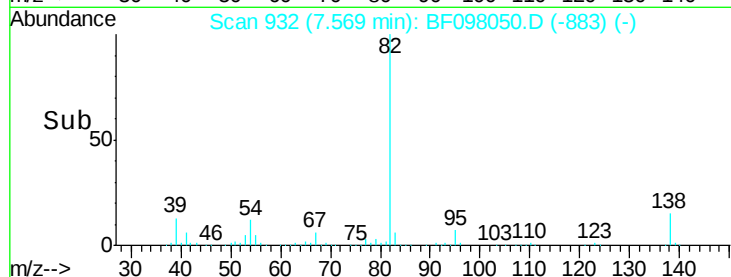
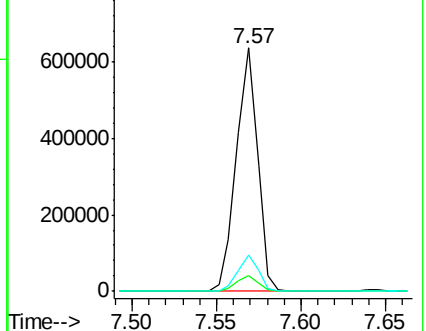
138 14.8 13.1 19.7



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 36.41 ng

RT: 7.65 min Scan# 945

Delta R.T. -0.01 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

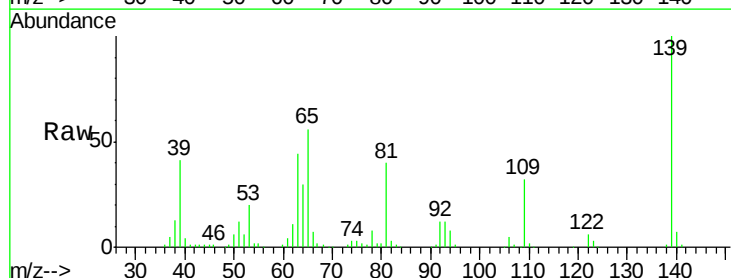
Tgt Ion: 139 Resp: 93566

Ion Ratio Lower Upper

139 100

109 31.9 21.0 31.6#

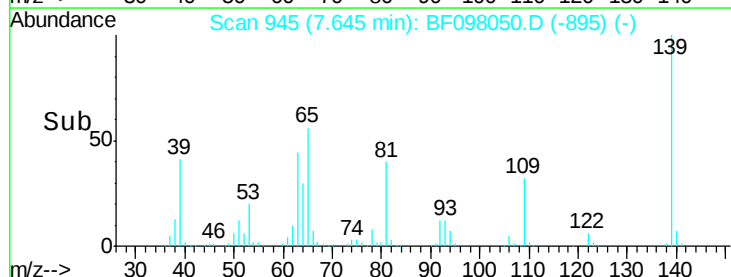
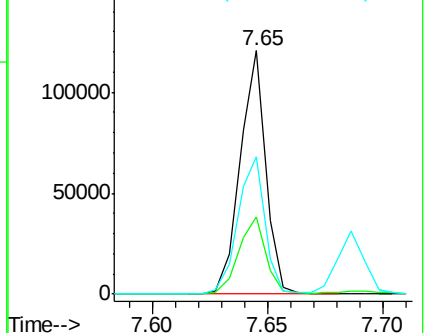
65 56.4 33.0 49.6#

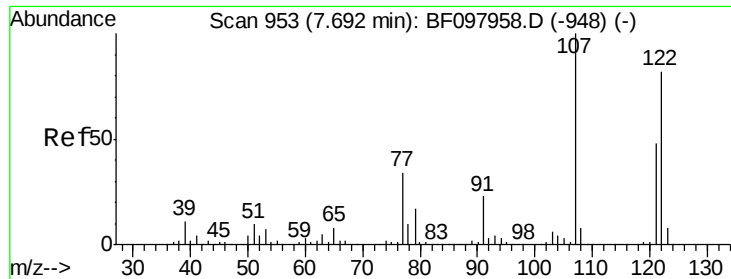


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

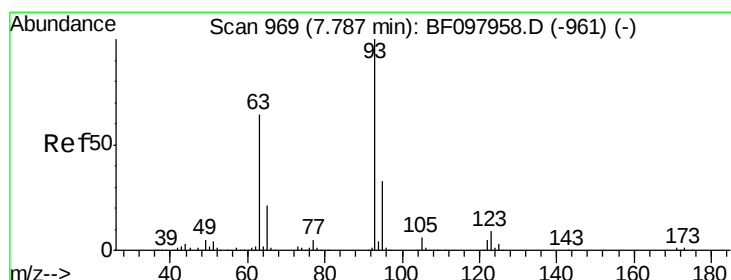
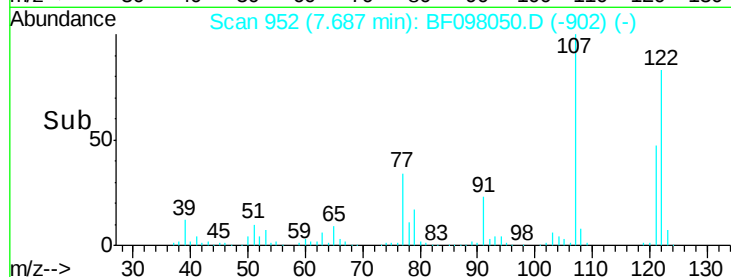
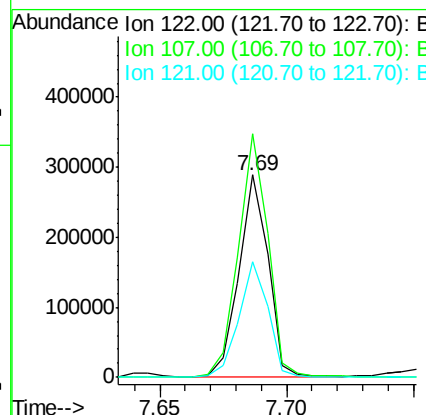
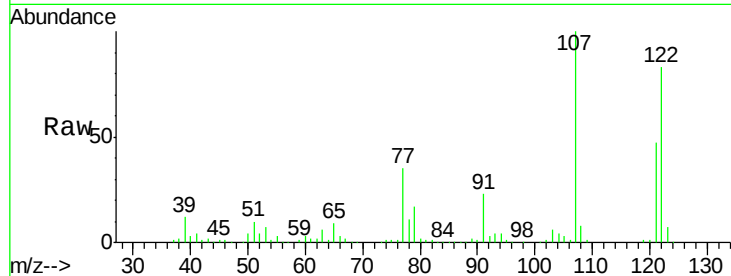




#27
 2,4-Dimethylphenol
 Concen: 40.41 ng
 RT: 7.69 min Scan# 952
 Delta R.T. -0.01 min
 Lab File: BF098050.D
 Acq: 26 Aug 2017 00:31

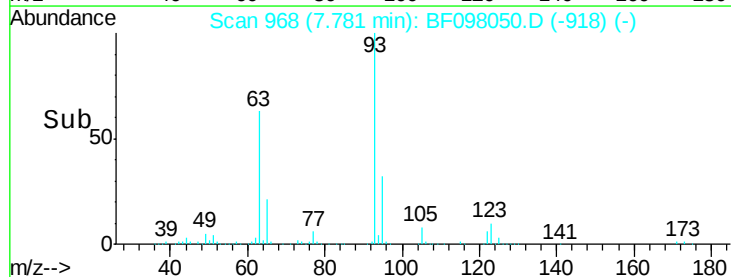
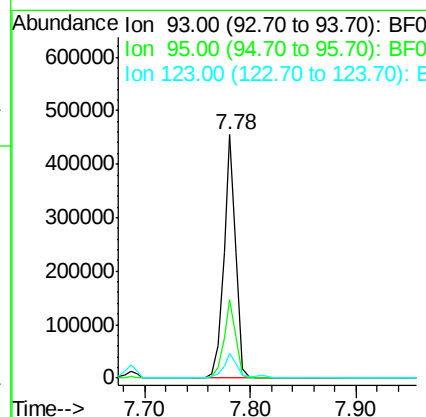
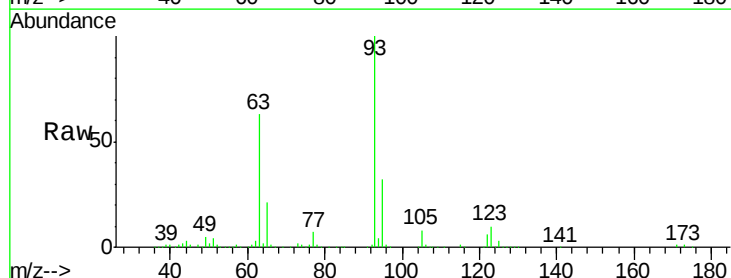
Instrument :
 BNA_F
 ClientSampleId :
 IRON-LEAF-TOPSOILMSD

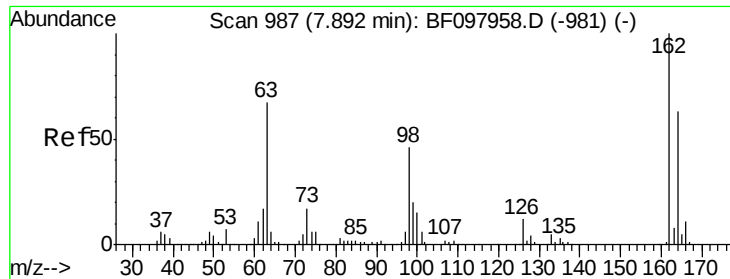
Tot Ion	Ratio	Lower	Upper
122	100		
107	120.2	89.2	133.8
121	57.1	45.2	67.8



#28
 bis(2-Chloroethoxy)methane
 Concen: 39.93 ng
 RT: 7.78 min Scan# 968
 Delta R.T. -0.01 min
 Lab File: BF098050.D
 Acq: 26 Aug 2017 00:31

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.5	39.7
123	10.0	9.0	13.4

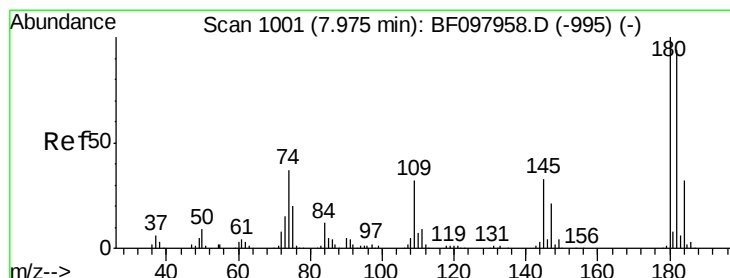
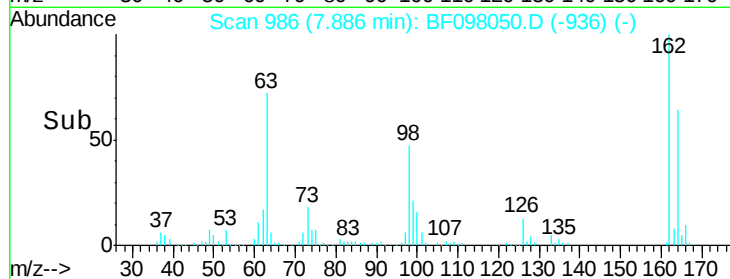
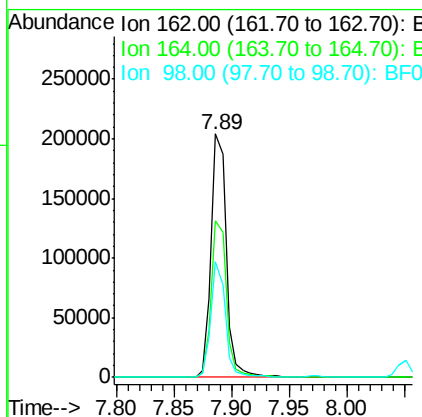
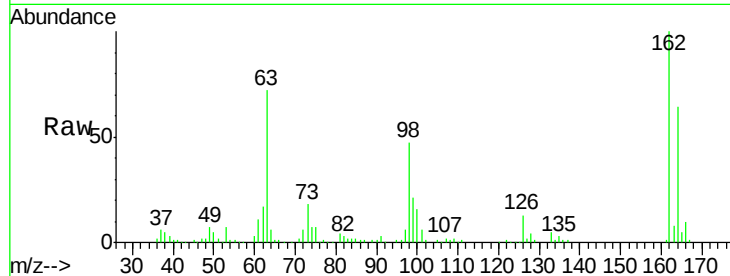




#29
 2,4-Dichlorophenol
 Concen: 39.63 ng
 RT: 7.89 min Scan# 986
 Delta R.T. -0.01 min
 Lab File: BF098050.D
 Acq: 26 Aug 2017 00:31

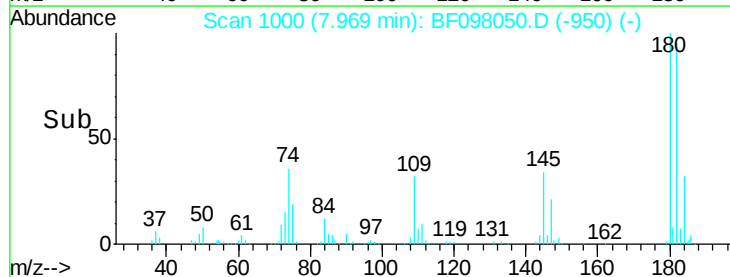
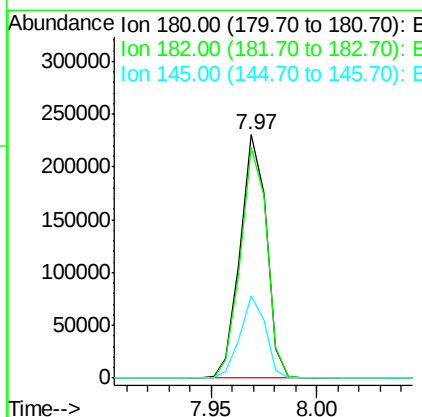
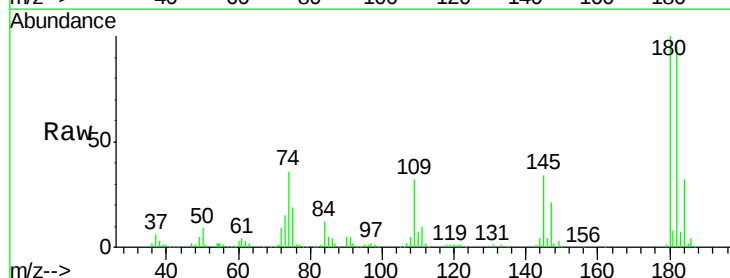
Instrument :
 BNA_F
 ClientSampleId :
 IRON-LEAF-TOPSOILMSD

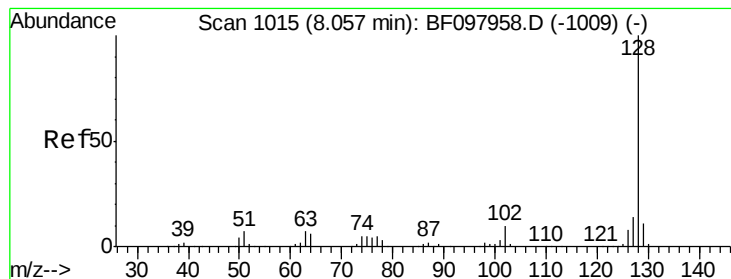
Tot Ion	Ratio	Lower	Upper
162	100		
164	64.3	44.6	84.6
98	47.5	14.8	54.8



#30
 1,2,4-Trichlorobenzene
 Concen: 37.56 ng
 RT: 7.97 min Scan# 1000
 Delta R.T. -0.01 min
 Lab File: BF098050.D
 Acq: 26 Aug 2017 00:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.8	113.6
145	33.6	25.3	37.9





#31

Naphthalene

Concen: 38.56 ng

RT: 8.05 min Scan# 1014

Delta R.T. -0.01 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Instrument :

BNA_F

ClientSampleId :

IRON-LEAF-TOPSOILMSD

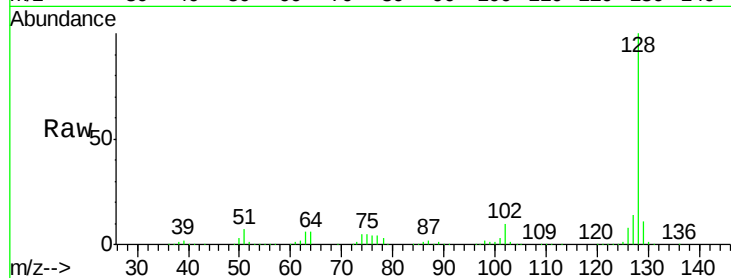
Tot Ion:128 Resp: 721058

Ion Ratio Lower Upper

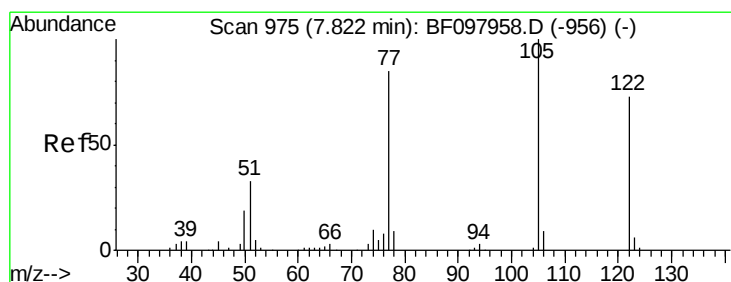
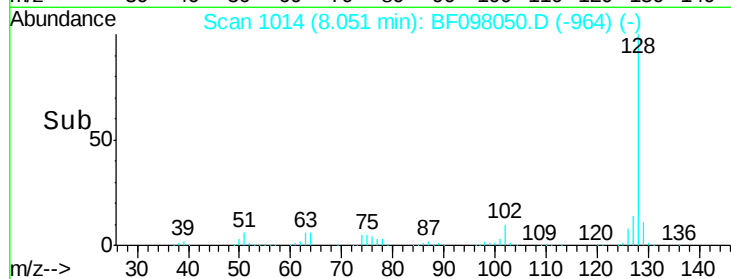
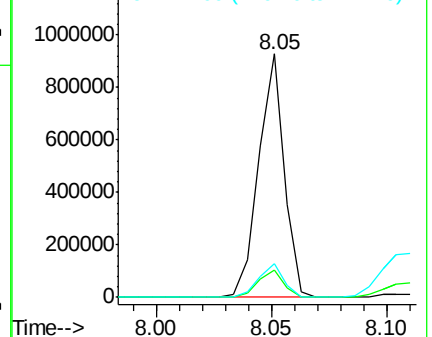
128 100

129 11.1 9.0 13.6

127 13.7 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 35.55 ng

RT: 7.81 min Scan# 973

Delta R.T. -0.02 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

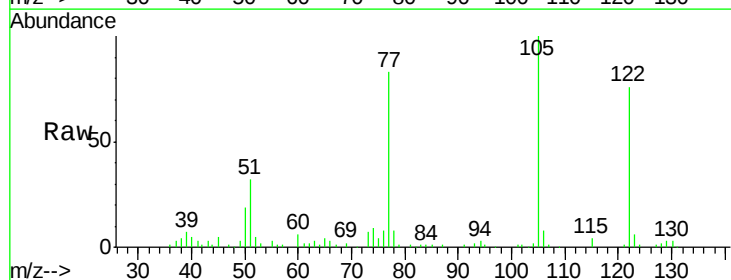
Tgt Ion:122 Resp: 140874

Ion Ratio Lower Upper

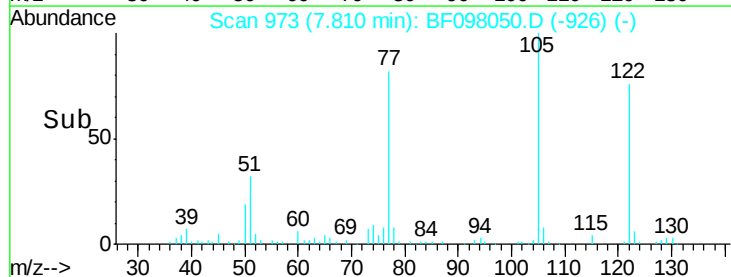
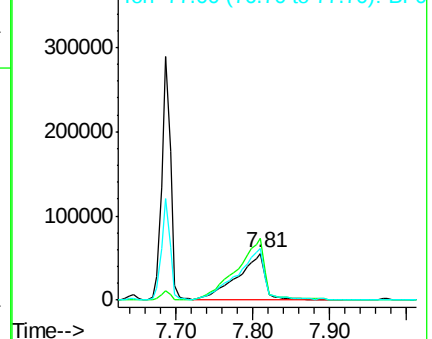
122 100

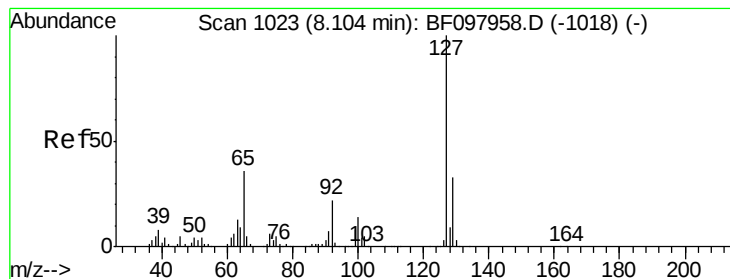
105 132.4 103.3 143.3

77 109.3 73.7 113.7



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 30.64 ng

RT: 8.11 min Scan# 1024

Delta R.T. 0.01 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Instrument :

BNA_F

ClientSampleId :

IRON-LEAF-TOPSOILMSD

Tot Ion:127 Resp: 241589

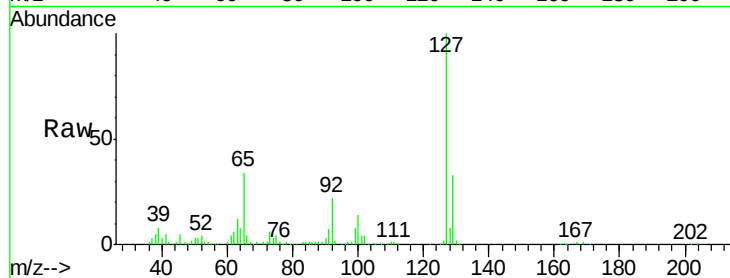
Ion Ratio Lower Upper

127 100

129 33.3 26.2 39.2

65 33.6 27.8 41.8

92 21.9 16.8 25.2

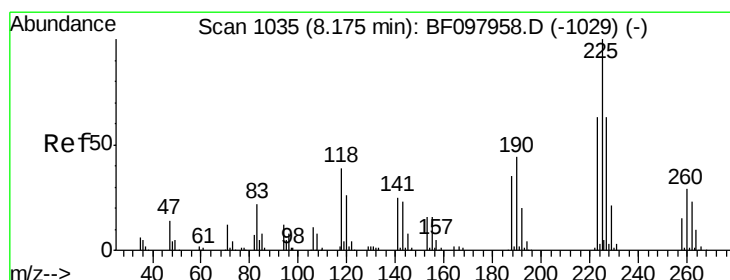
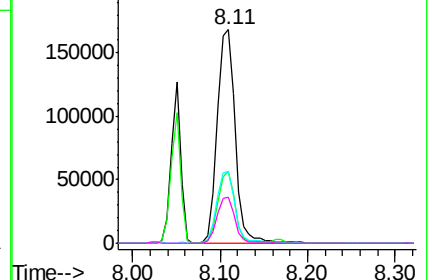
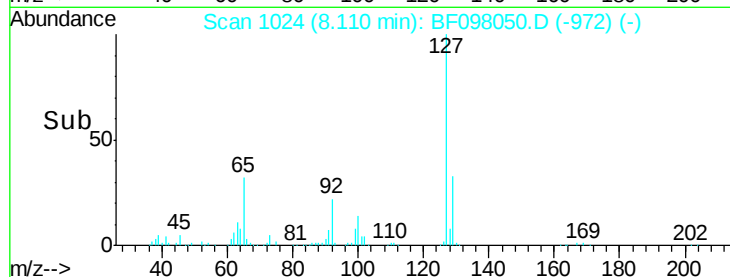


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#34

Hexachlorobutadiene

Concen: 37.32 ng

RT: 8.17 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

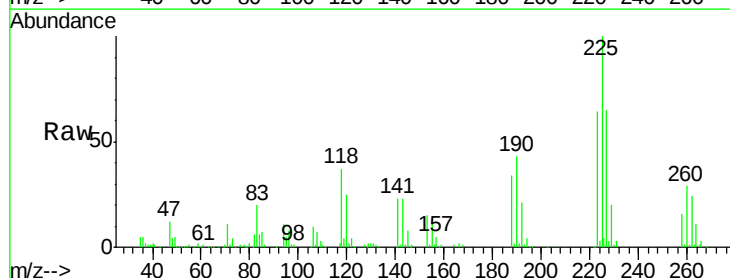
Tgt Ion:225 Resp: 115281

Ion Ratio Lower Upper

225 100

223 63.7 48.8 73.2

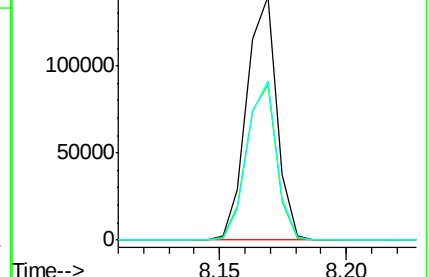
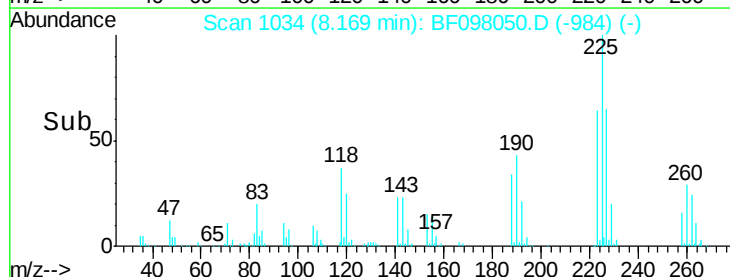
227 65.2 51.1 76.7

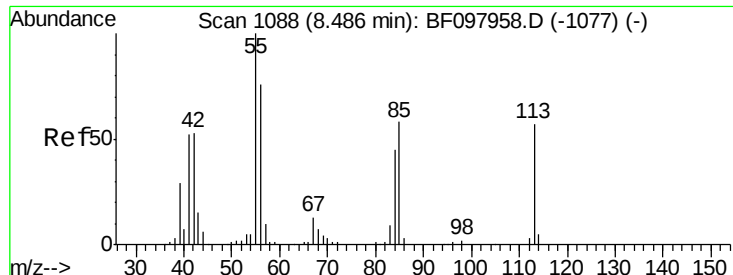


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

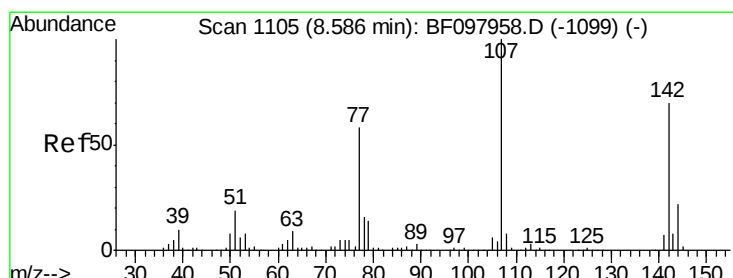
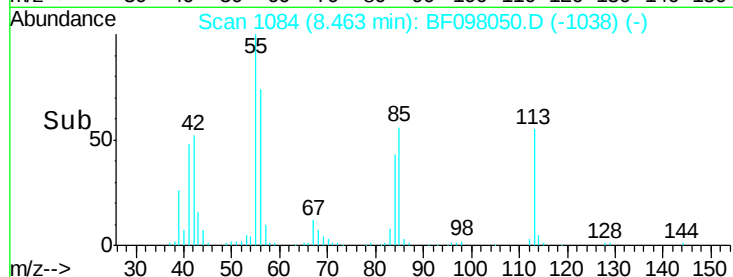
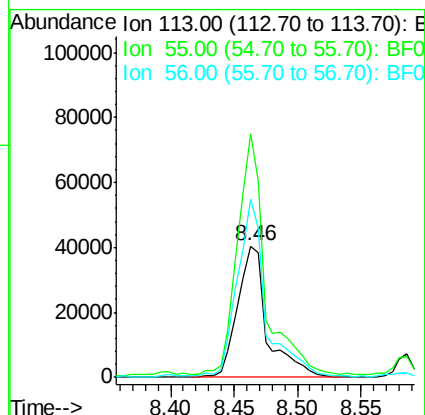
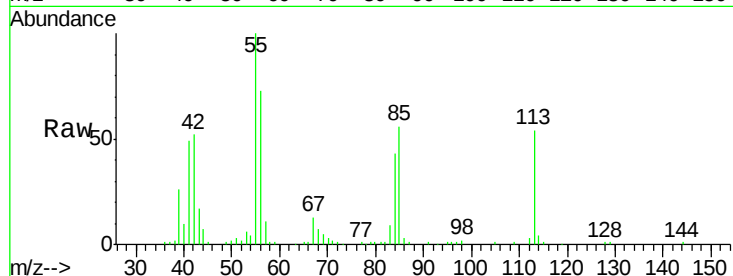




#35
 Caprolactam
 Concen: 40.16 ng
 RT: 8.46 min Scan# 1084
 Delta R.T. -0.03 min
 Lab File: BF098050.D
 Acq: 26 Aug 2017 00:31

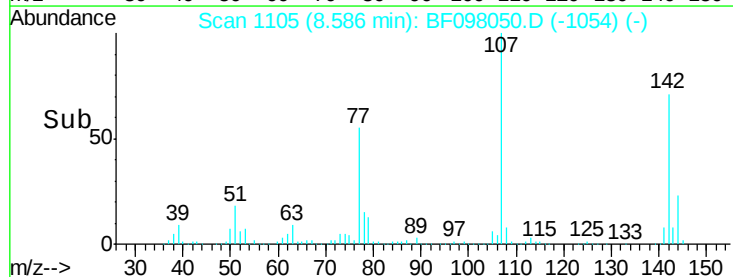
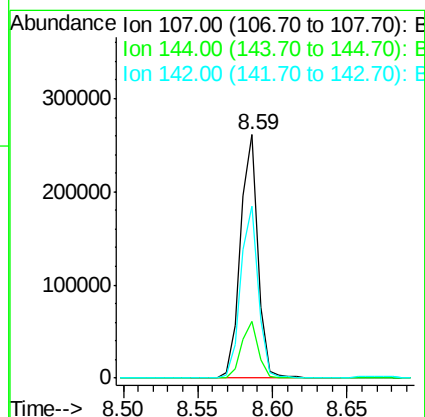
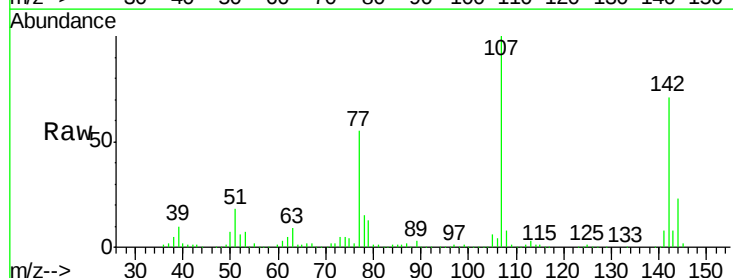
Instrument :
 BNA_F
 ClientSampleId :
 IRON-LEAF-TOPSOILMSD

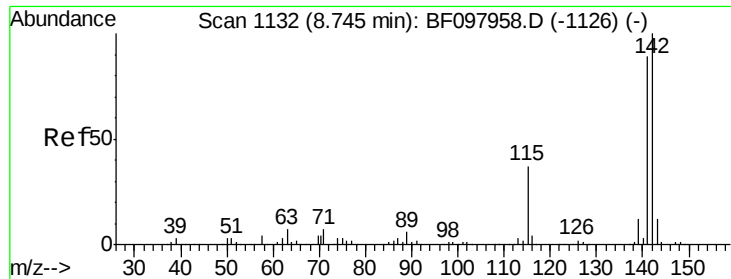
Tot Ion:113 Resp: 65165
 Ion Ratio Lower Upper
 113 100
 55 185.0 150.2 190.2
 56 135.9 107.8 147.8



#36
 4-Chloro-3-methylphenol
 Concen: 35.23 ng
 RT: 8.59 min Scan# 1105
 Delta R.T. 0.00 min
 Lab File: BF098050.D
 Acq: 26 Aug 2017 00:31

Tgt Ion:107 Resp: 216060
 Ion Ratio Lower Upper
 107 100
 144 23.3 24.2 36.4#
 142 70.8 73.4 110.0#

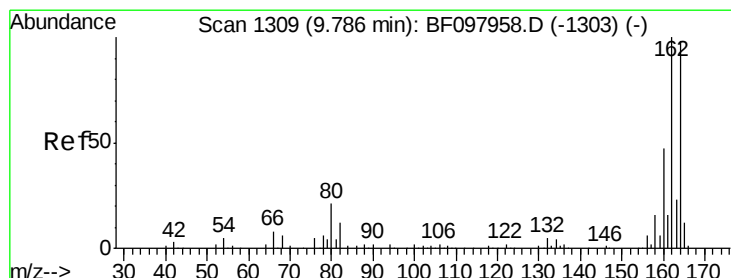
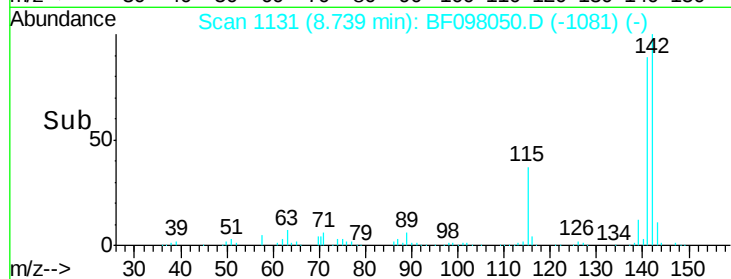
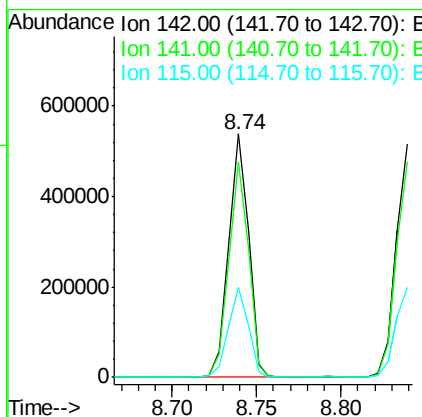
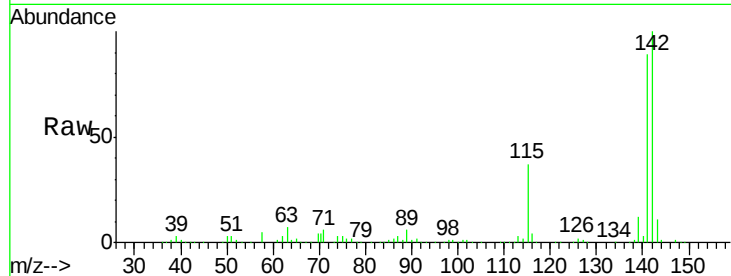




#37
 2-Methylnaphthalene
 Concen: 38.32 ng
 RT: 8.74 min Scan# 1131
 Delta R.T. -0.01 min
 Lab File: BF098050.D
 Acq: 26 Aug 2017 00:31

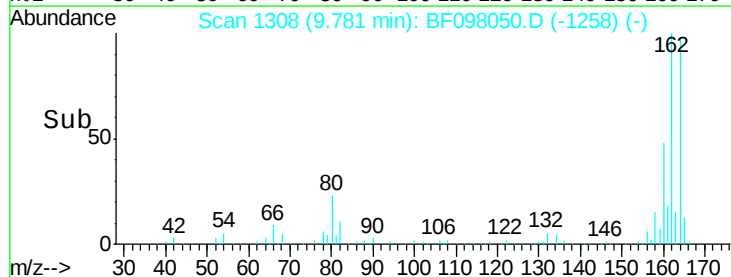
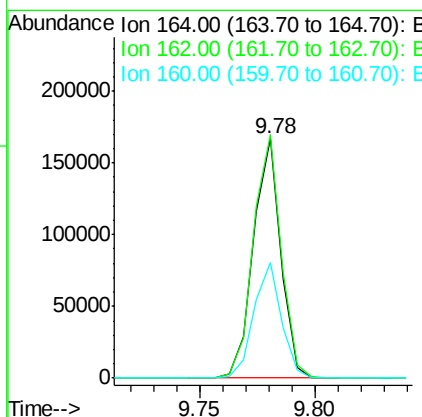
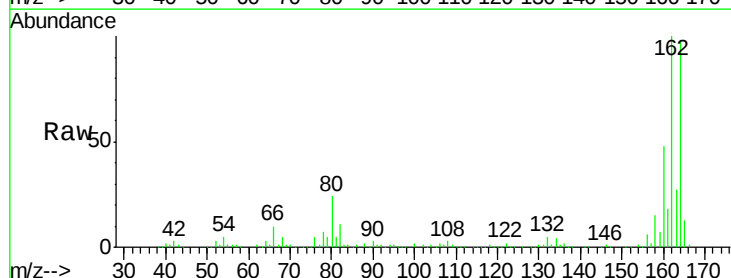
Instrument :
 BNA_F
 ClientSampleId :
 IRON-LEAF-TOPSOILMSD

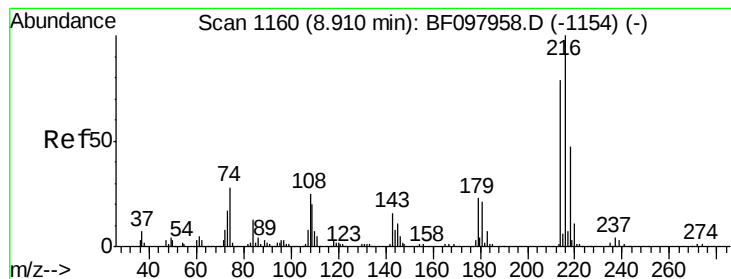
Tot Ion	Ratio	Lower	Upper
142	100		
141	88.6	71.3	106.9
115	36.9	27.1	40.7



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.78 min Scan# 1308
 Delta R.T. -0.01 min
 Lab File: BF098050.D
 Acq: 26 Aug 2017 00:31

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.8	82.6	123.8
160	48.6	36.2	54.2





#39

1,2,4,5-Tetrachlorobenzene

Concen: 41.11 ng

RT: 8.90 min Scan# 1159

Delta R.T. -0.01 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Instrument :

BNA_F

ClientSampleId :

IRON-LEAF-TOPSOILMSD

Tot Ion:216 Resp: 174570

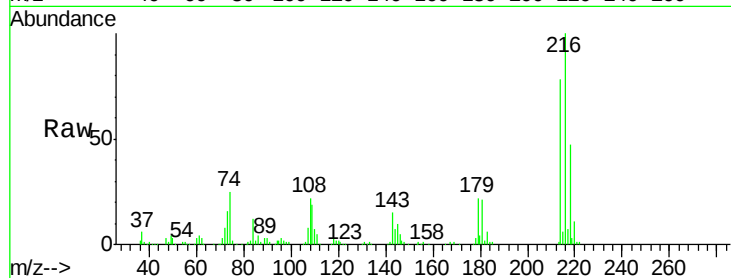
Ion Ratio Lower Upper

216 100

214 79.1 63.4 95.2

179 21.7 17.9 26.9

108 22.2 16.5 24.7

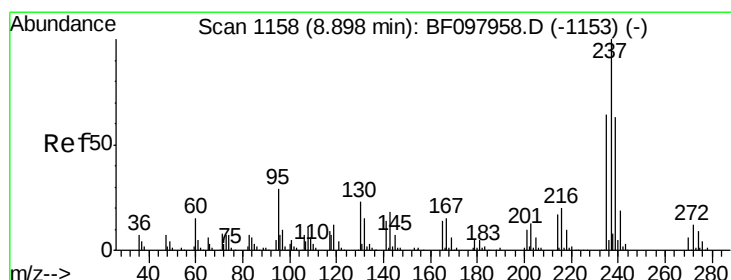
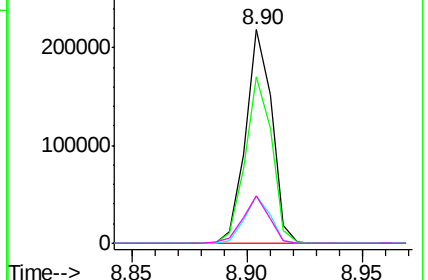
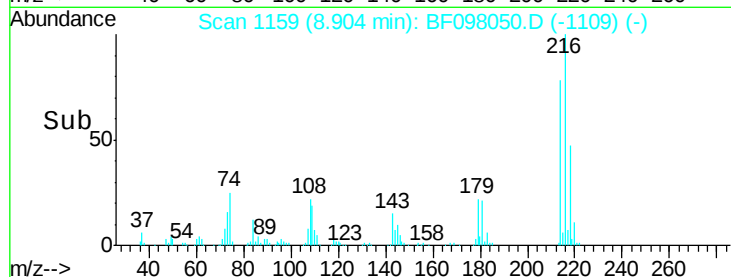


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 6.38 ng

RT: 8.89 min Scan# 1157

Delta R.T. -0.01 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

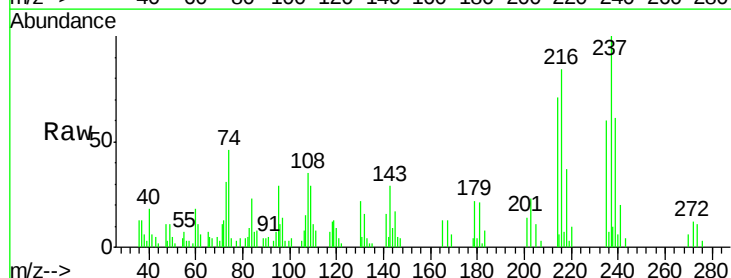
Tgt Ion:237 Resp: 13024

Ion Ratio Lower Upper

237 100

235 59.9 42.6 82.6

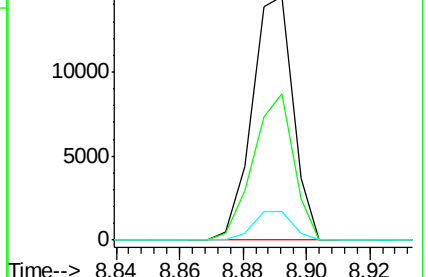
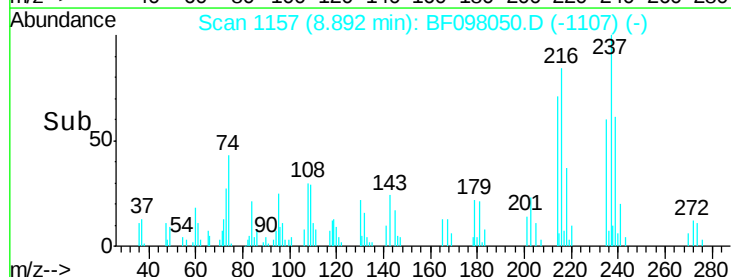
272 11.8 0.0 31.9

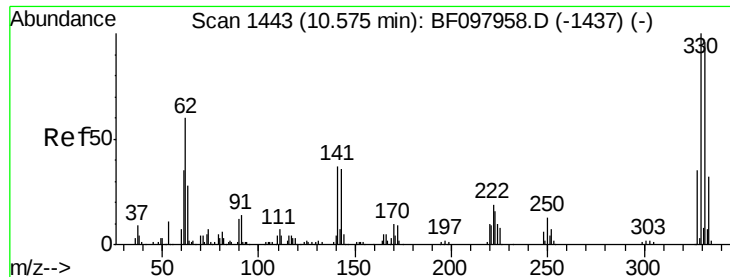


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

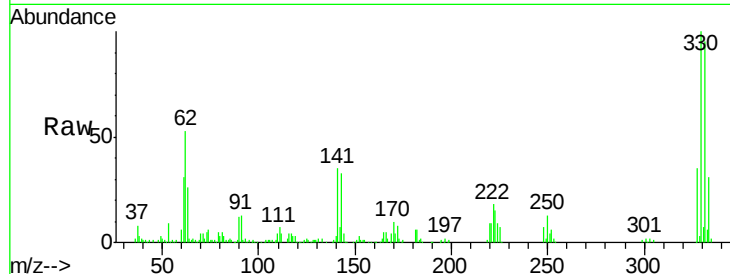




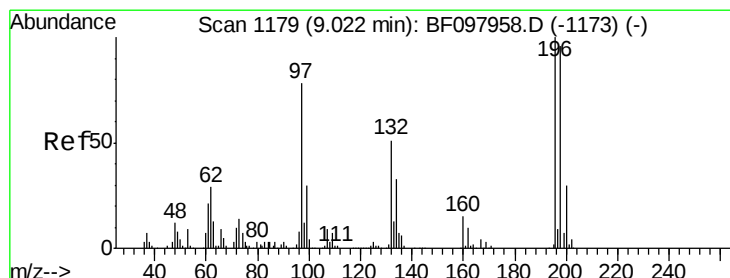
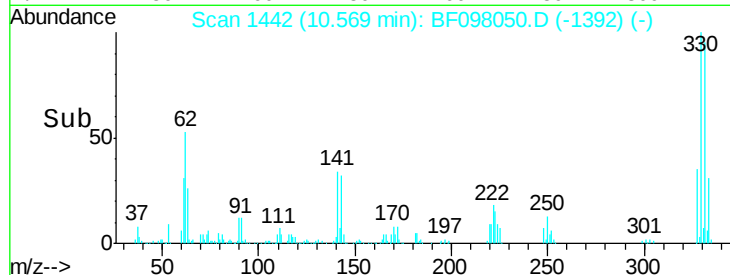
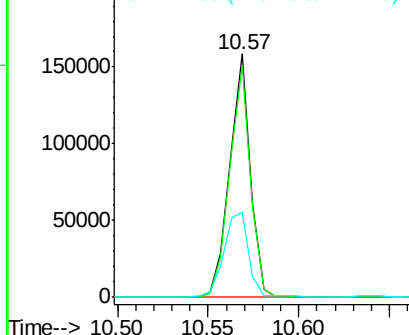
#41
 2,4,6-Tribromophenol
 Concen: 106.08 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF098050.D
 Acq: 26 Aug 2017 00:31

Instrument :
 BNA_F
 ClientSampleId :
 IRON-LEAF-TOPSOILMSD

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	76.6	115.0
141	40.5	31.4	47.2

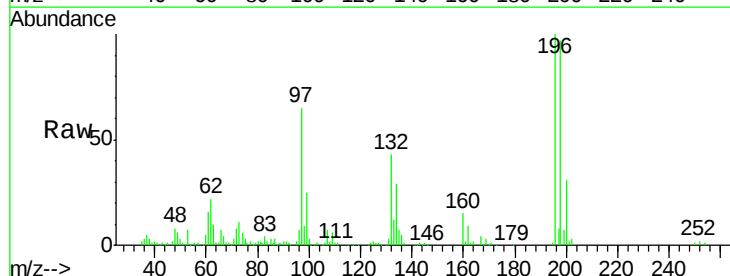


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

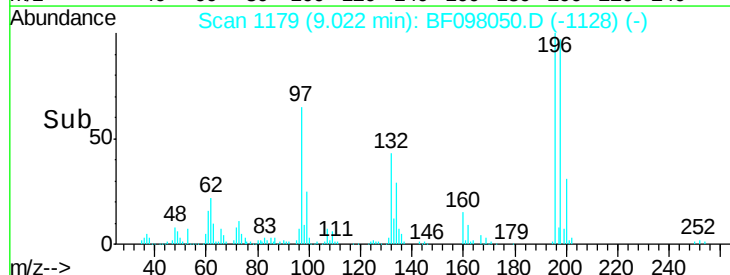
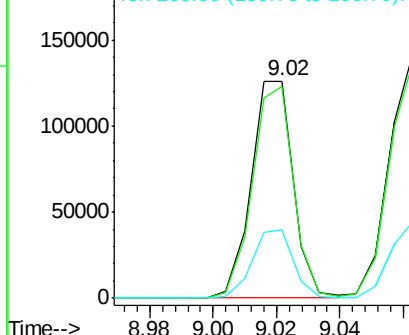


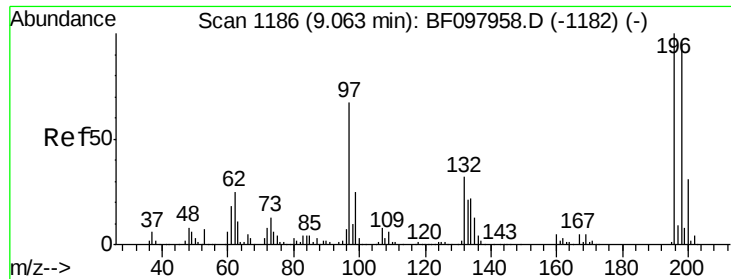
#42
 2,4,6-Trichlorophenol
 Concen: 40.77 ng
 RT: 9.02 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: BF098050.D
 Acq: 26 Aug 2017 00:31

Tgt Ion	Ratio	Lower	Upper
196	100		
198	97.2	74.2	111.4
200	31.3	24.0	36.0



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

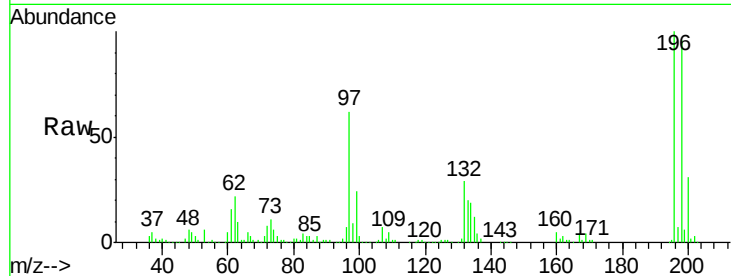




#43
 2,4,5-Trichlorophenol
 Concen: 42.18 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: BF098050.D
 Acq: 26 Aug 2017 00:31

Instrument :
 BNA_F
 ClientSampleId :
 IRON-LEAF-TOPSOILMSD

Tot Ion	196	Resp	119294
Ion Ratio	Lower	Upper	
196	100		
198	96.2	75.7	113.5
97	61.9	47.7	71.5
132	29.4	28.0	42.0



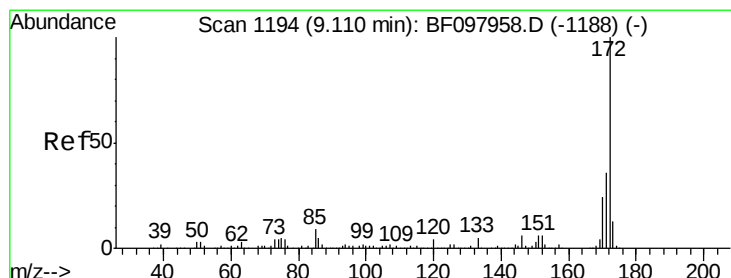
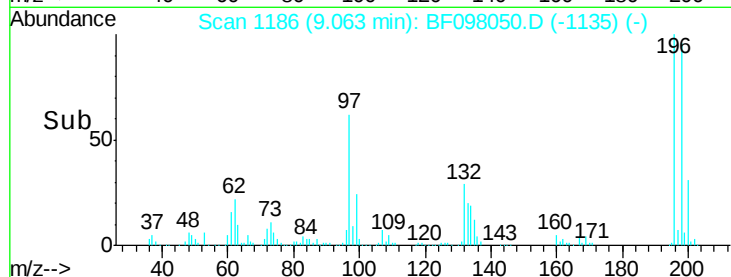
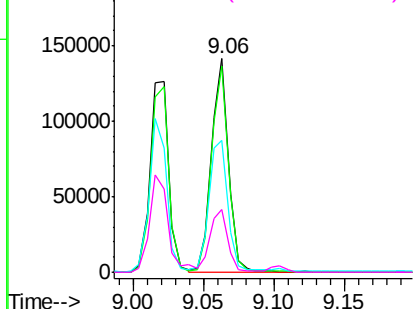
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

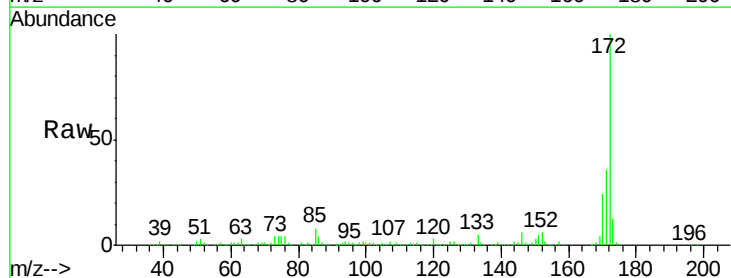
Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 75.18 ng
 RT: 9.10 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF098050.D
 Acq: 26 Aug 2017 00:31

Tgt Ion	172	Resp	708004
Ion Ratio	Lower	Upper	
172	100		
171	36.0	29.6	44.4
170	24.3	19.8	29.8

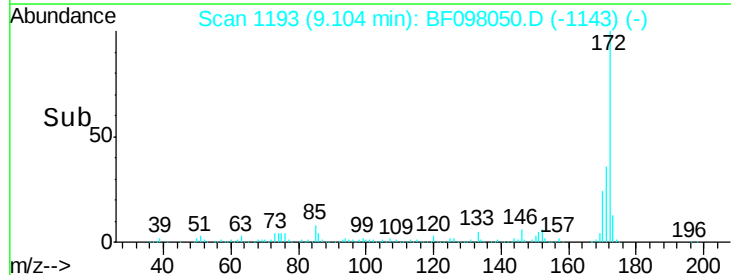
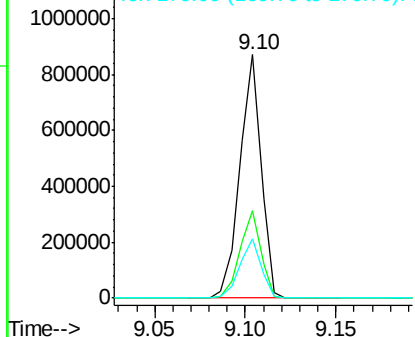


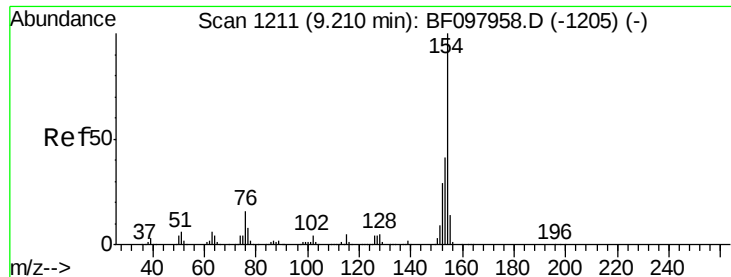
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 38.82 ng

RT: 9.20 min Scan# 1210

Delta R.T. -0.01 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Instrument :

BNA_F

ClientSampleId :

IRON-LEAF-TOPSOILMSD

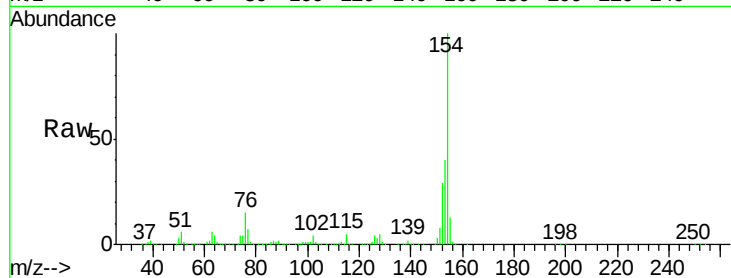
Tot Ion:154 Resp: 489774

Ion Ratio Lower Upper

154 100

153 40.0 21.2 61.2

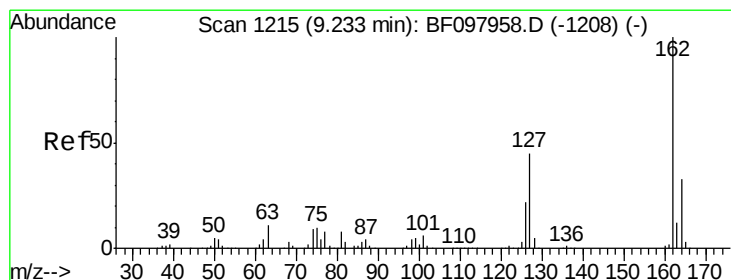
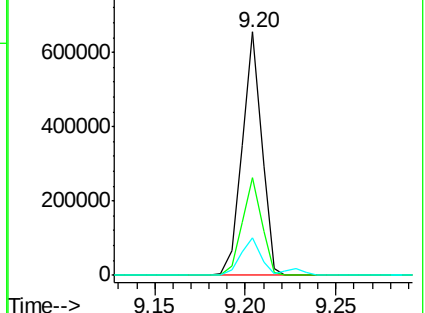
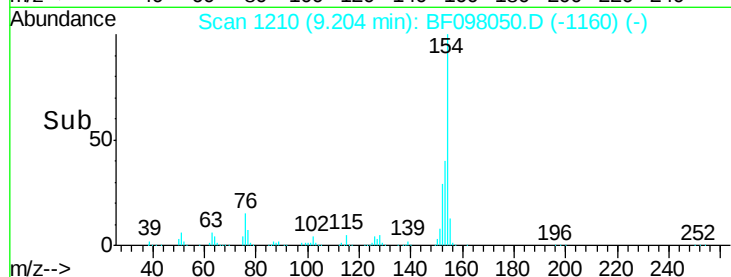
76 15.3 0.0 29.9



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 38.57 ng

RT: 9.23 min Scan# 1214

Delta R.T. -0.01 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

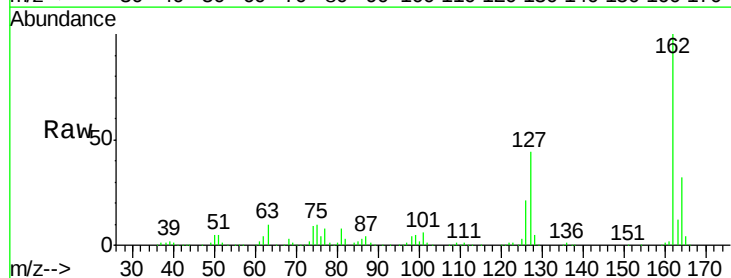
Tgt Ion:162 Resp: 359586

Ion Ratio Lower Upper

162 100

127 44.2 28.3 42.5#

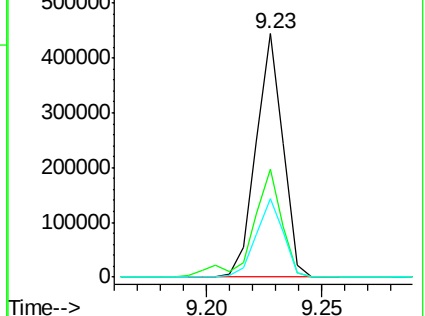
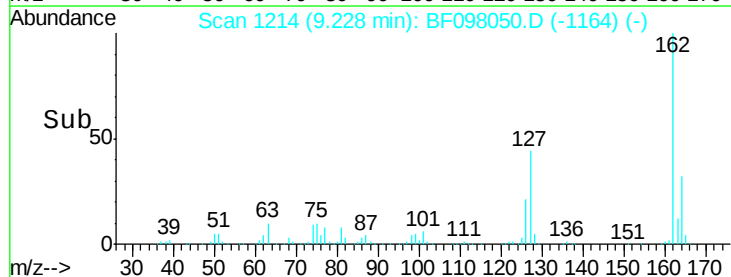
164 32.3 27.0 40.4

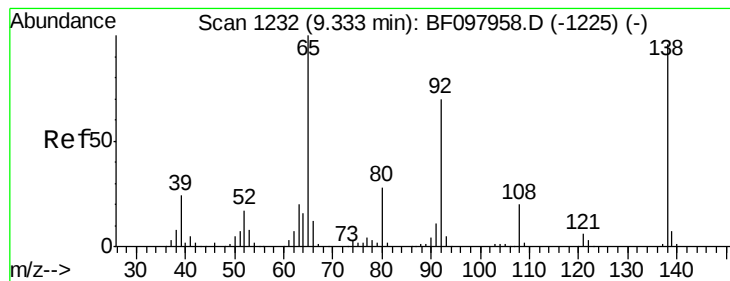


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 52.39 ng

RT: 9.33 min Scan# 1231

Delta R.T. -0.01 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Instrument :

BNA_F

ClientSampleId :

IRON-LEAF-TOPSOILMSD

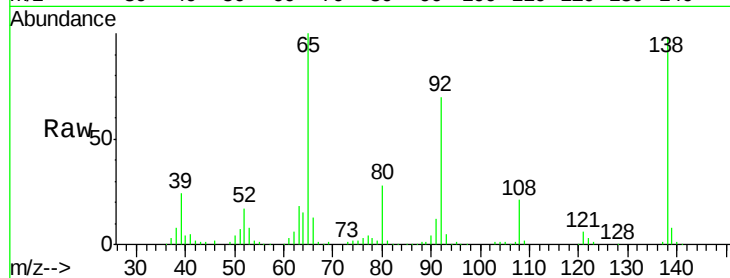
Tot Ion: 65 Resp: 163743

Ion Ratio Lower Upper

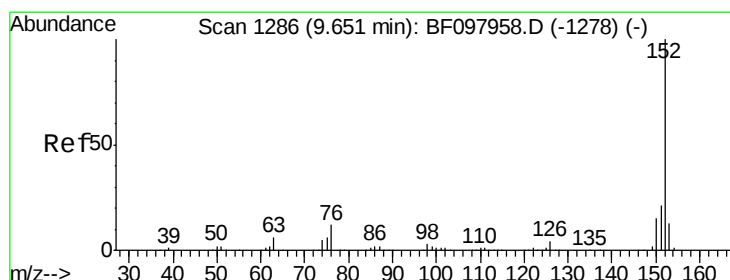
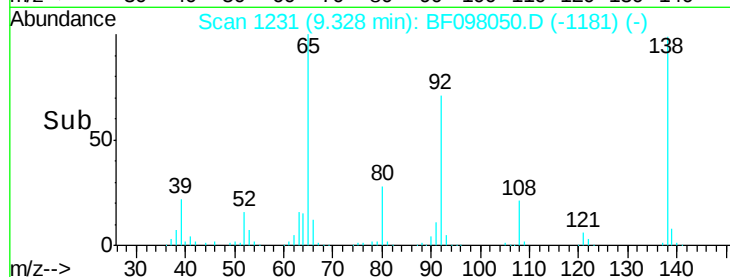
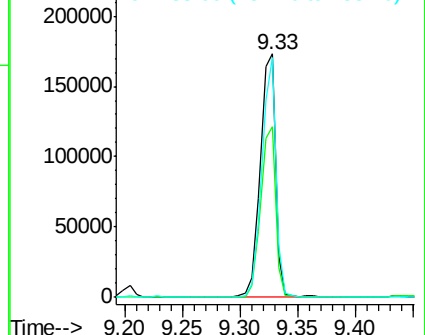
65 100

92 70.1 53.9 80.9

138 98.4 78.8 118.2



Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#48

Acenaphthylene

Concen: 44.79 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.01 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

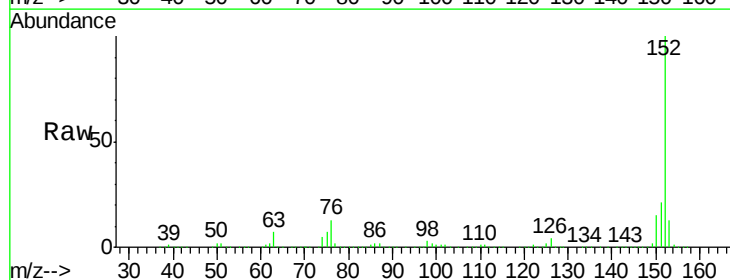
Tgt Ion: 152 Resp: 655729

Ion Ratio Lower Upper

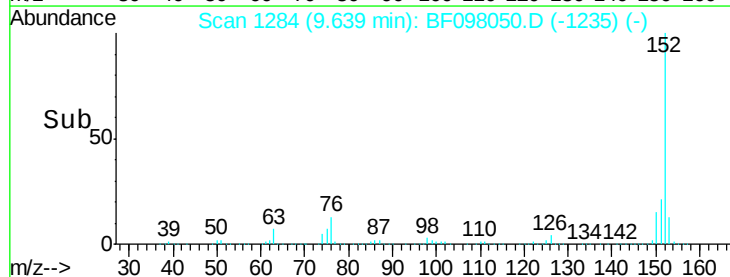
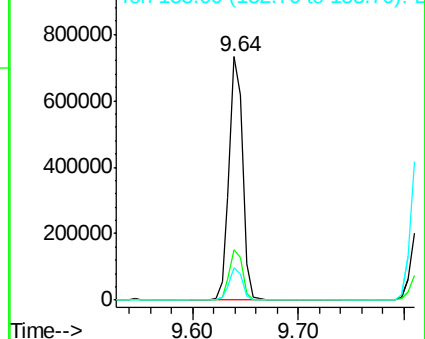
152 100

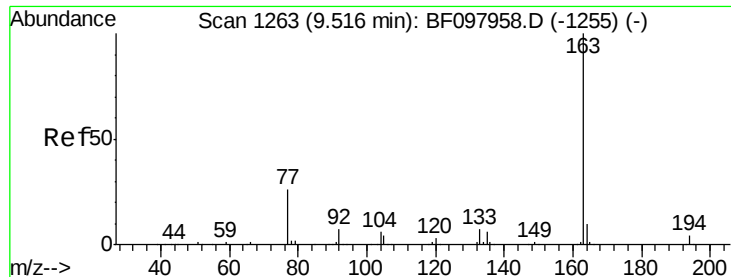
151 20.8 16.8 25.2

153 13.4 10.8 16.2



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

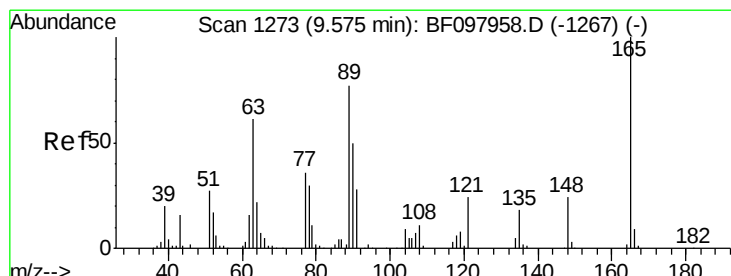
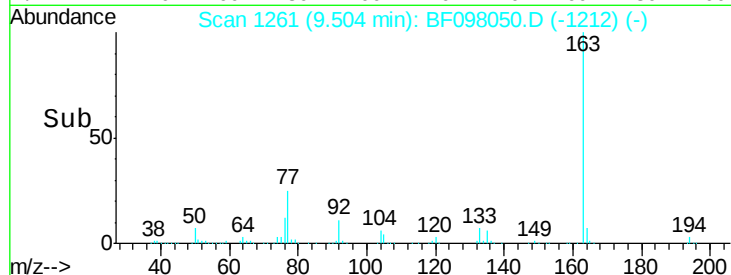
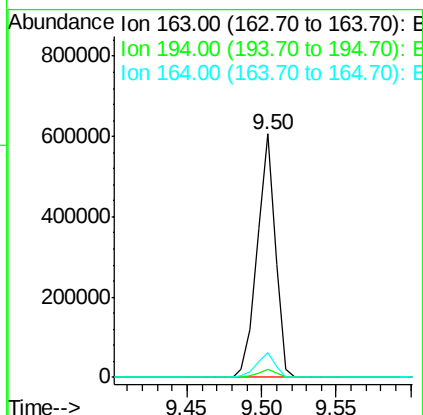
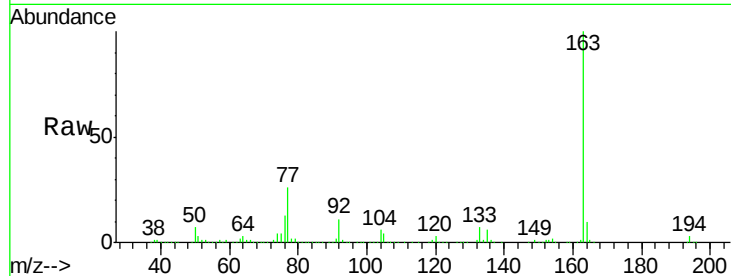




#49
Dimethylphthalate
Concen: 49.83 ng
RT: 9.50 min Scan# 1261
Delta R.T. -0.01 min
Lab File: BF098050.D
Acq: 26 Aug 2017 00:31

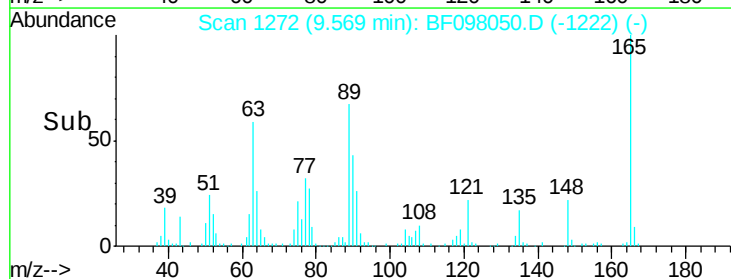
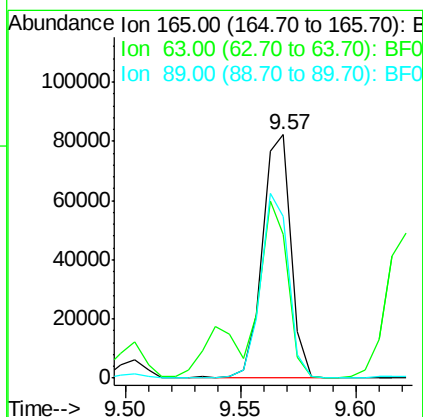
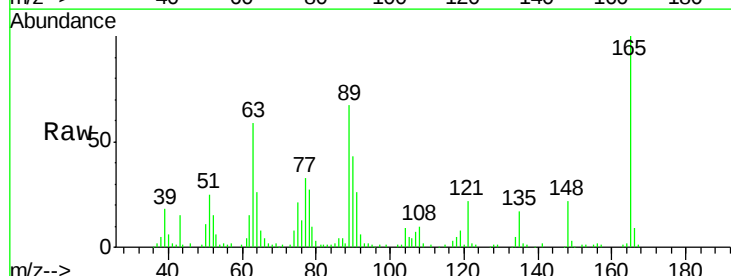
Instrument :
BNA_F
ClientSampleId :
IRON-LEAF-TOPSOILMSD

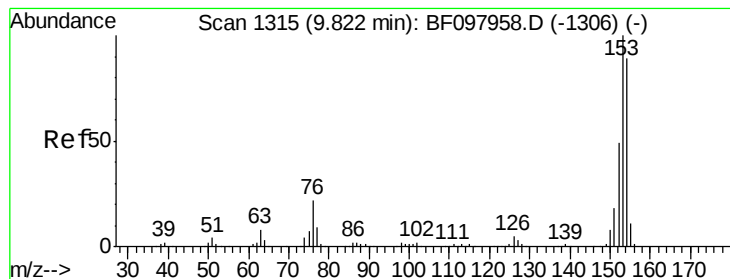
Tot Ion:163 Resp: 504014
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 9.9 8.4 12.6



#50
2,6-Dinitrotoluene
Concen: 35.02 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.01 min
Lab File: BF098050.D
Acq: 26 Aug 2017 00:31

Tgt Ion:165 Resp: 70693
Ion Ratio Lower Upper
165 100
63 59.3 34.3 51.5#
89 66.7 37.1 55.7#





#51

Acenaphthene

Concen: 37.67 ng

RT: 9.82 min Scan# 1314

Delta R.T. -0.01 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Instrument :

BNA_F

ClientSampleId :

IRON-LEAF-TOPSOILMSD

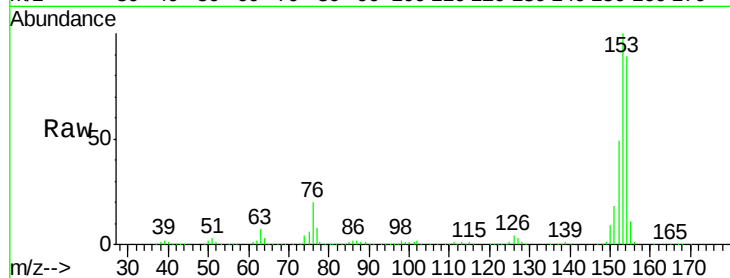
Tot Ion:154 Resp: 347843

Ion Ratio Lower Upper

154 100

153 112.8 90.5 135.7

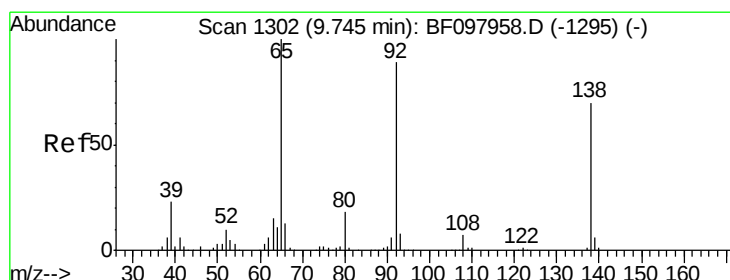
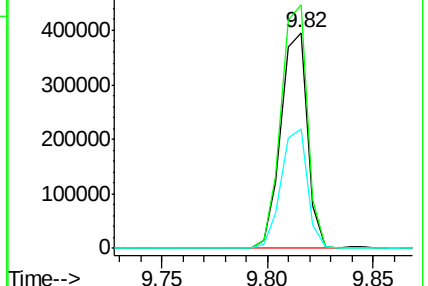
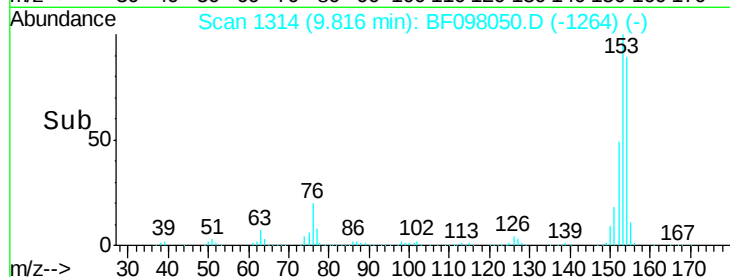
152 55.2 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 45.47 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

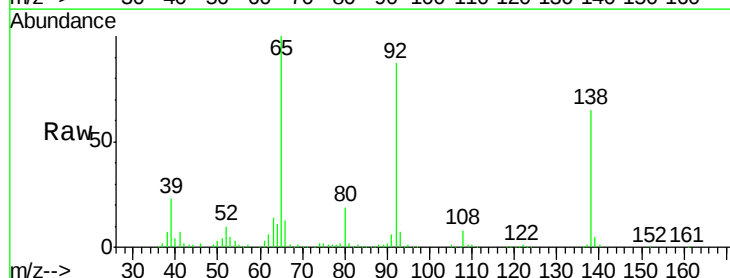
Tgt Ion:138 Resp: 118429

Ion Ratio Lower Upper

138 100

108 11.7 9.1 13.7

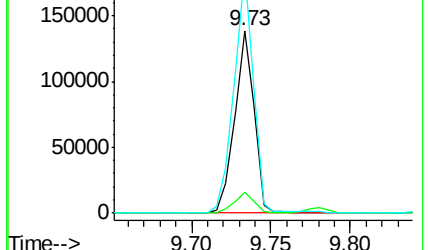
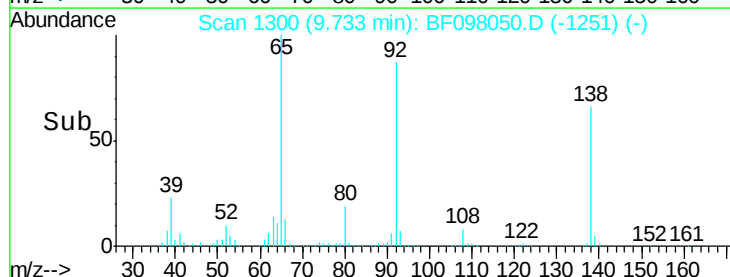
92 133.5 93.8 140.6

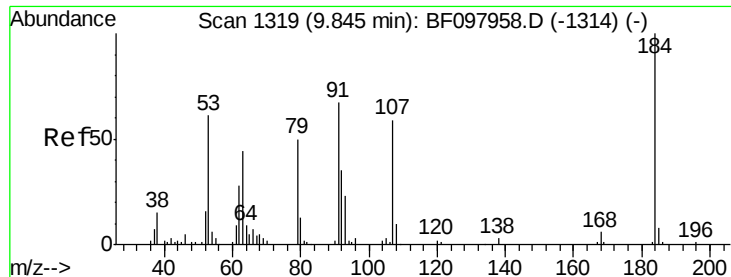


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

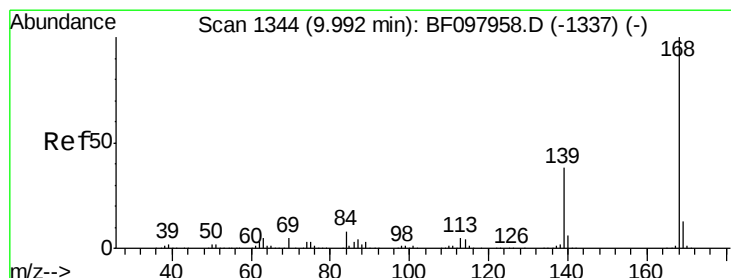
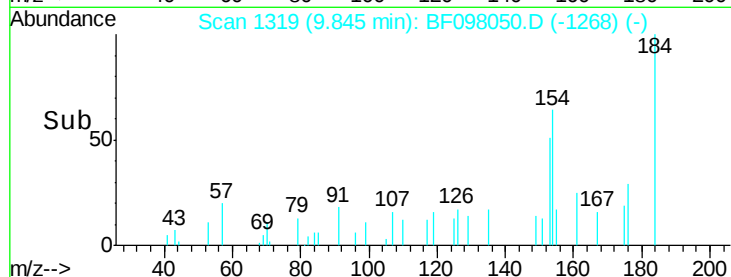
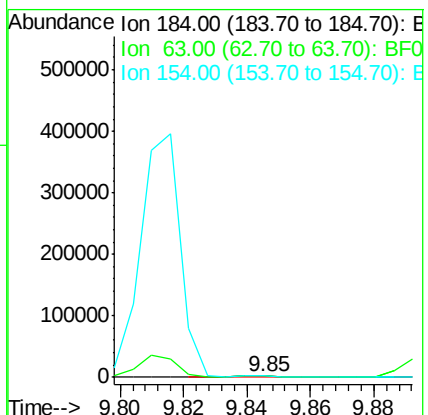
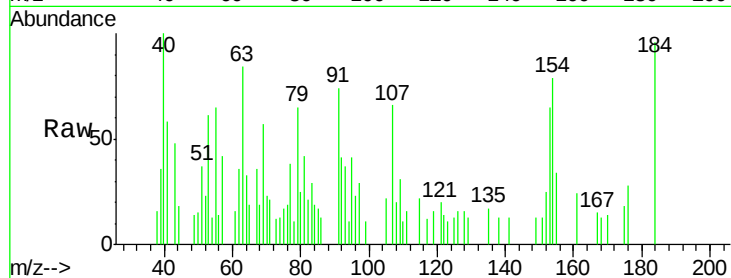




#53
2,4-Dinitrophenol
Concen: 12.73 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.00 min
Lab File: BF098050.D
Acq: 26 Aug 2017 00:31

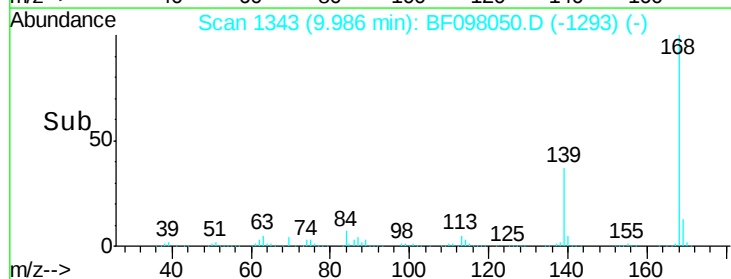
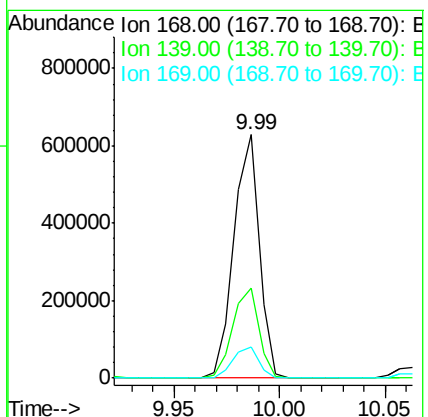
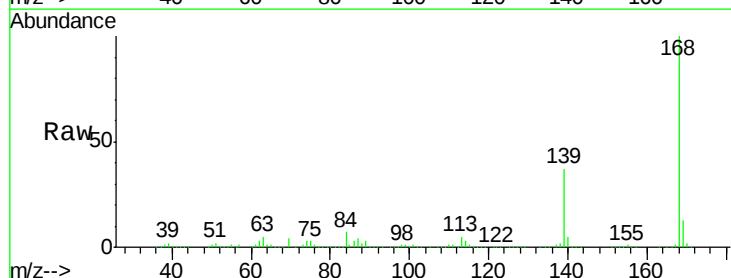
Instrument :
BNA_F
ClientSampleId :
IRON-LEAF-TOPSOILMSD

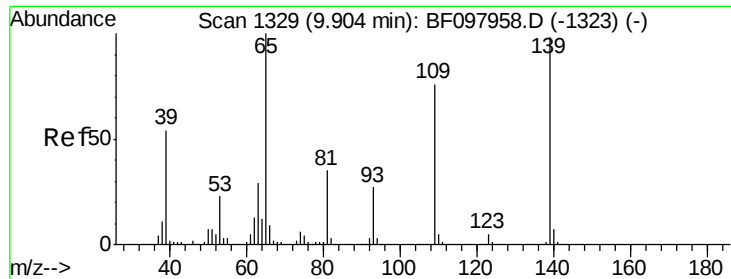
Tot Ion:184 Resp: 2847
Ion Ratio Lower Upper
184 100
63 87.9 62.7 94.1
154 82.1 81.1 121.7



#54
Dibenzofuran
Concen: 42.16 ng
RT: 9.99 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BF098050.D
Acq: 26 Aug 2017 00:31

Tgt Ion:168 Resp: 521771
Ion Ratio Lower Upper
168 100
139 36.8 30.6 45.8
169 13.0 10.8 16.2

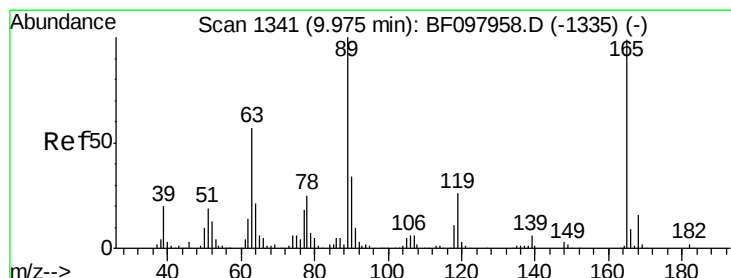
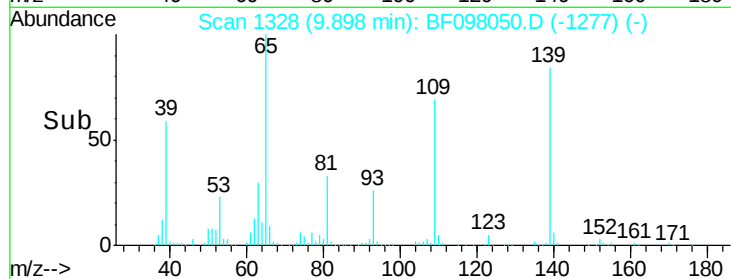
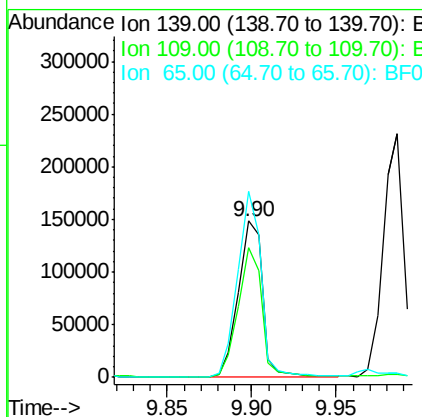
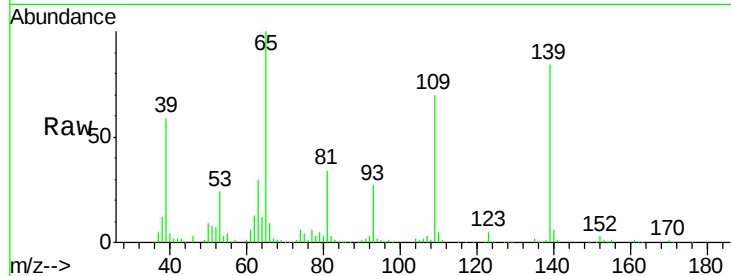




#55
4-Nitrophenol
Concen: 72.19 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.00 min
Lab File: BF098050.D
Acq: 26 Aug 2017 00:31

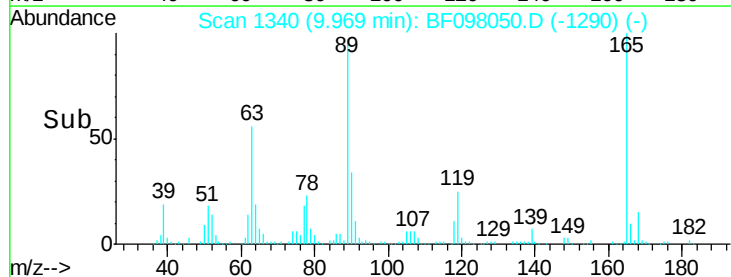
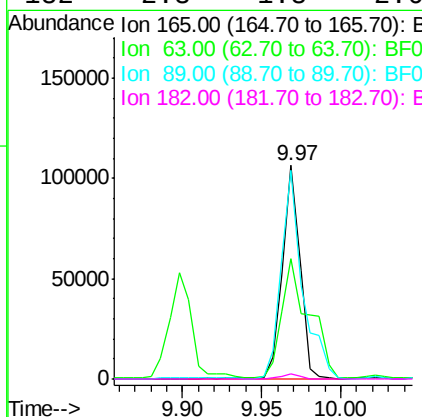
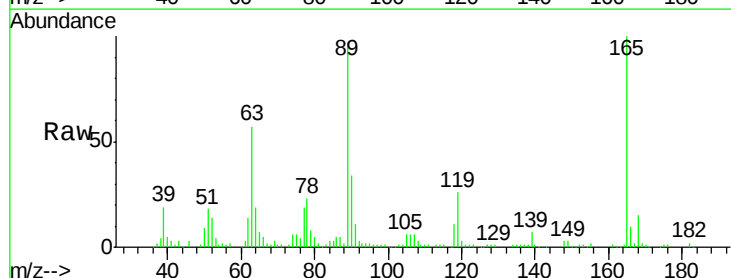
Instrument :
BNA_F
ClientSampleId :
IRON-LEAF-TOPSOILMSD

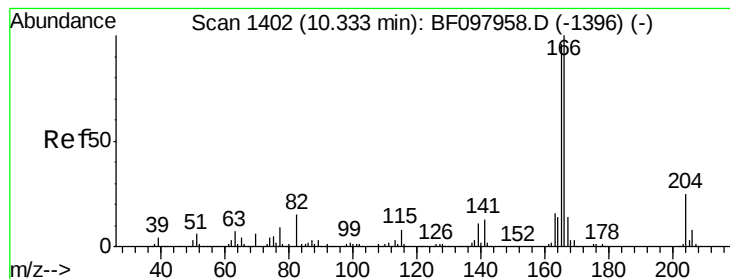
Tot Ion	Ratio	Lower	Upper
139	100		
109	82.9	34.1	74.1#
65	118.9	31.4	71.4#



#56
2,4-Dinitrotoluene
Concen: 32.84 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF098050.D
Acq: 26 Aug 2017 00:31

Tgt Ion	Ratio	Lower	Upper
165	100		
63	56.6	25.4	38.0#
89	97.5	46.4	69.6#
182	2.3	1.8	2.6





#57

Fluorene

Concen: 42.50 ng

RT: 10.33 min Scan# 1401

Delta R.T. -0.01 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Instrument :

BNA_F

ClientSampleId :

IRON-LEAF-TOPSOILMSD

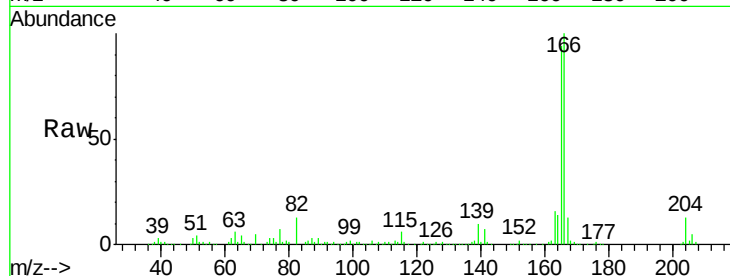
Tot Ion:166 Resp: 406650

Ion Ratio Lower Upper

166 100

165 94.1 78.8 118.2

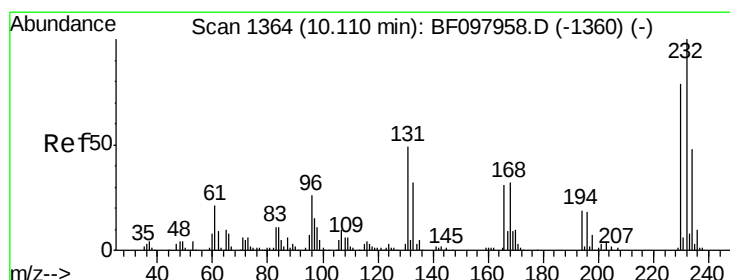
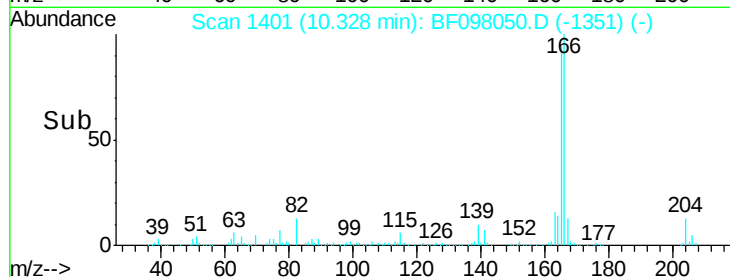
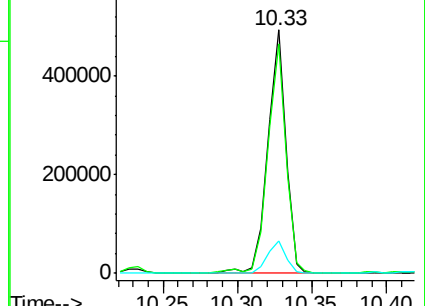
167 13.2 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 45.12 ng

RT: 10.10 min Scan# 1363

Delta R.T. -0.01 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Tgt Ion:232 Resp: 98798

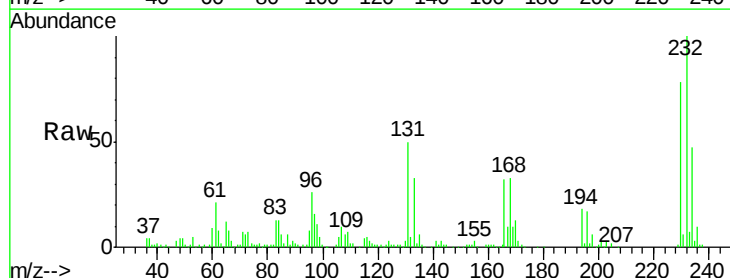
Ion Ratio Lower Upper

232 100

131 50.8 44.8 67.2

130 2.8 2.3 3.5

166 32.6 29.0 43.4

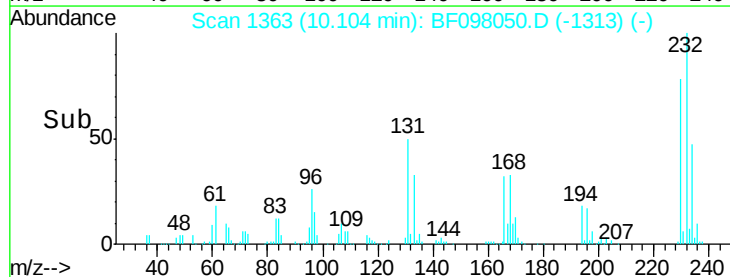
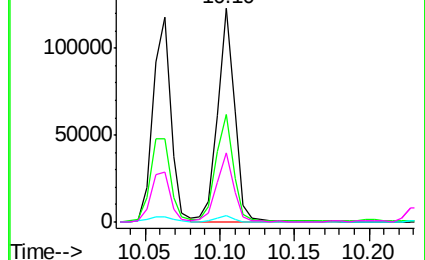


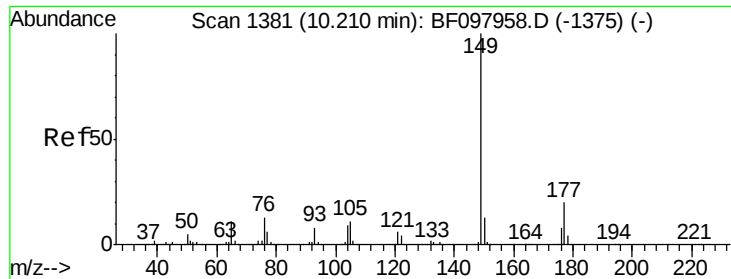
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

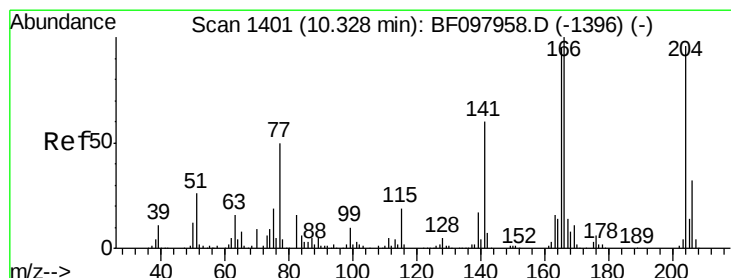
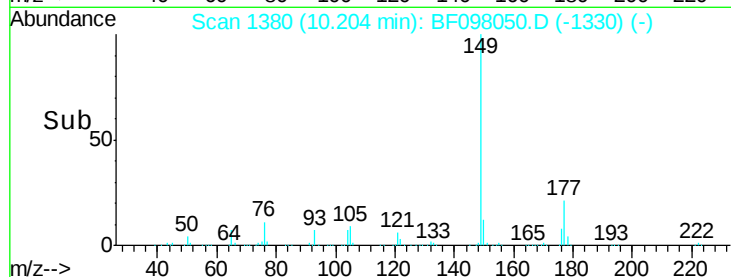
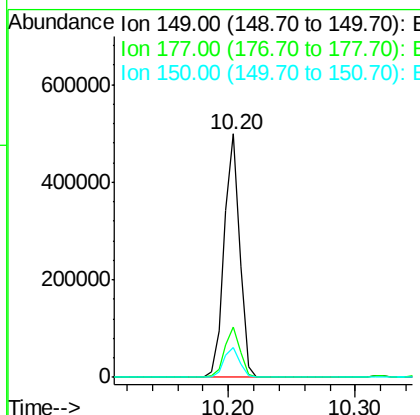
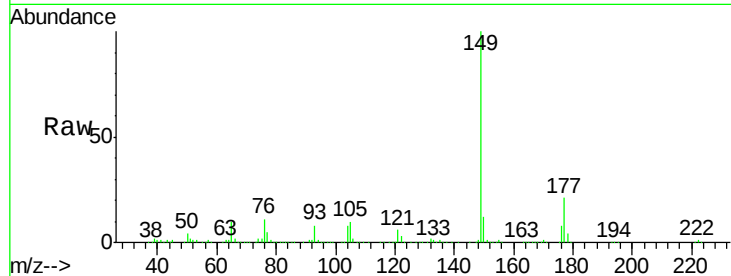




#59
Diethylphthalate
Concen: 40.18 ng
RT: 10.20 min Scan# 1380
Delta R.T. -0.01 min
Lab File: BF098050.D
Acq: 26 Aug 2017 00:31

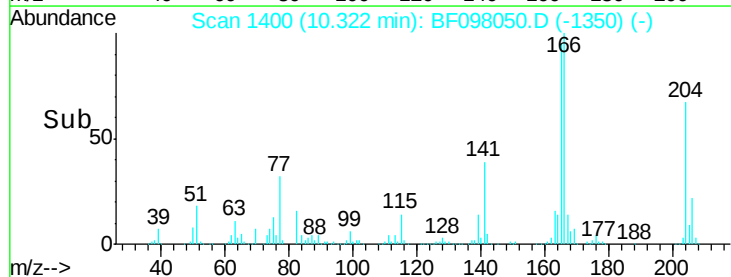
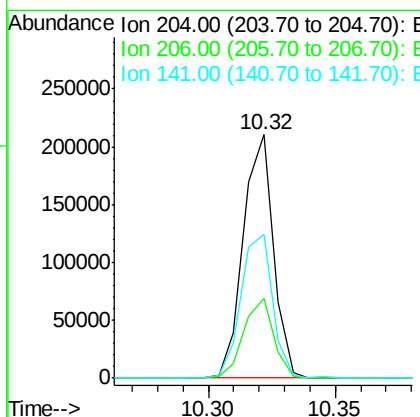
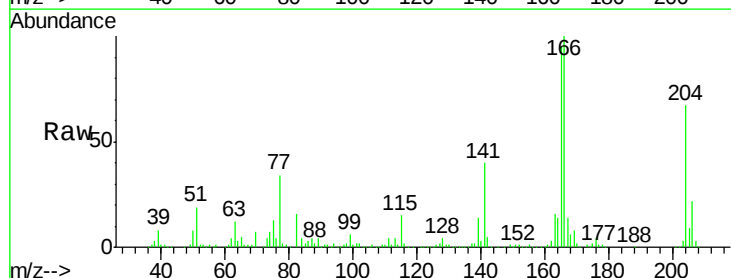
Instrument :
BNA_F
ClientSampleId :
IRON-LEAF-TOPSOILMSD

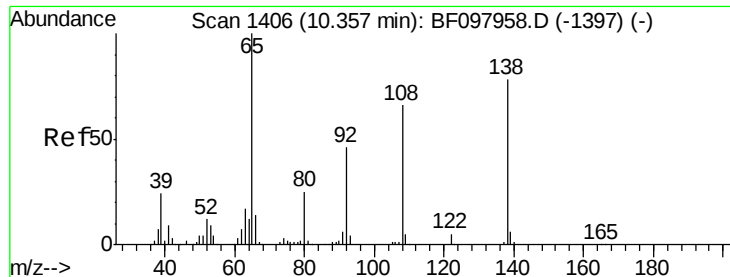
Tot Ion:149 Resp: 425035
Ion Ratio Lower Upper
149 100
177 20.7 16.7 25.1
150 12.1 10.2 15.2



#60
4-Chlorophenyl-phenylether
Concen: 39.19 ng
RT: 10.32 min Scan# 1400
Delta R.T. -0.01 min
Lab File: BF098050.D
Acq: 26 Aug 2017 00:31

Tgt Ion:204 Resp: 174179
Ion Ratio Lower Upper
204 100
206 33.0 26.2 39.2
141 58.9 60.8 91.2#

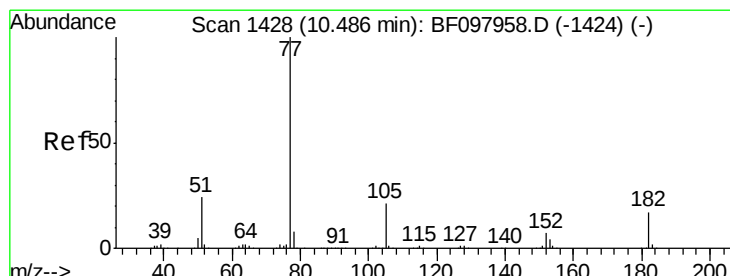
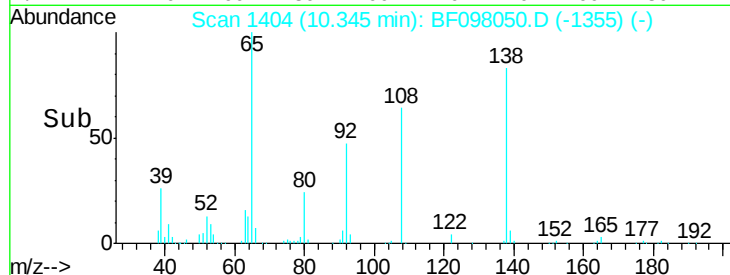
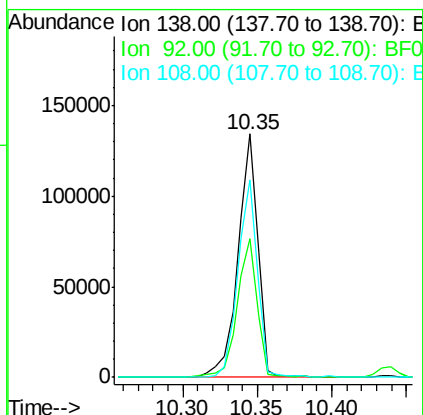
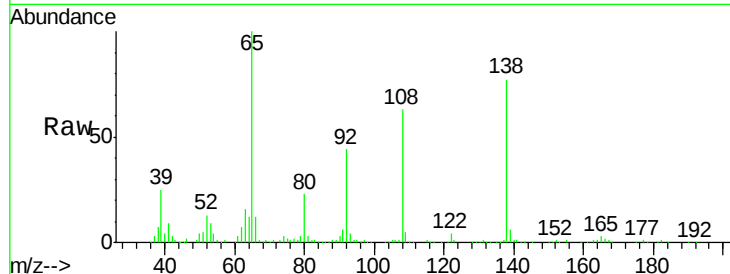




#61
4-Nitroaniline
Concen: 50.90 ng
RT: 10.35 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BF098050.D
Acq: 26 Aug 2017 00:31

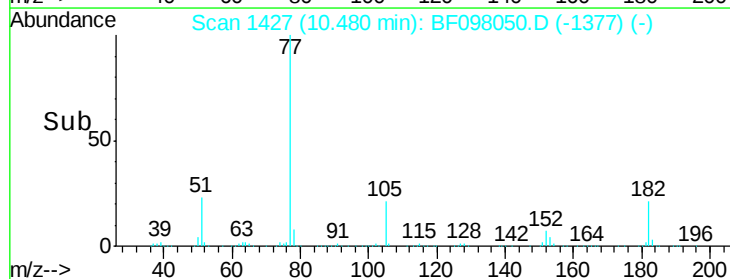
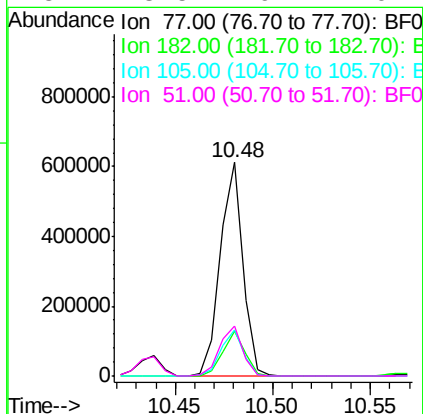
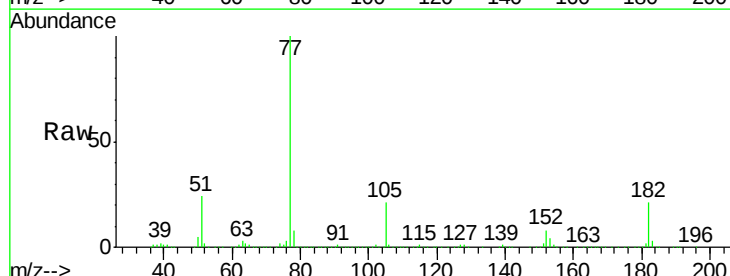
Instrument :
BNA_F
ClientSampleId :
IRON-LEAF-TOPSOILMSD

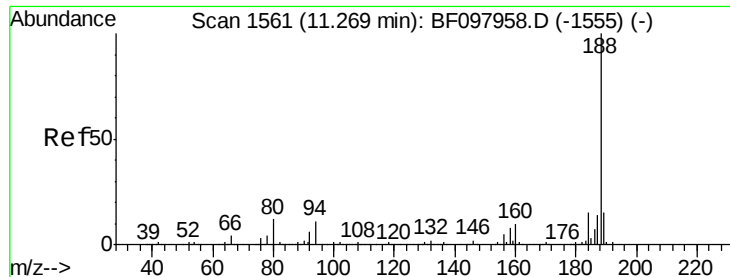
Tot Ion:138 Resp: 126007
Ion Ratio Lower Upper
138 100
92 57.0 21.8 61.8
108 81.3 42.3 82.3



#62
Azobenzene
Concen: 38.99 ng
RT: 10.48 min Scan# 1427
Delta R.T. -0.01 min
Lab File: BF098050.D
Acq: 26 Aug 2017 00:31

Tgt Ion: 77 Resp: 489821
Ion Ratio Lower Upper
77 100
182 20.9 0.1 40.1
105 21.3 3.6 43.6
51 23.5 9.4 49.4

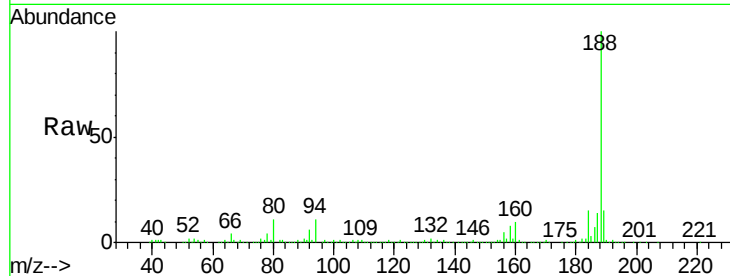




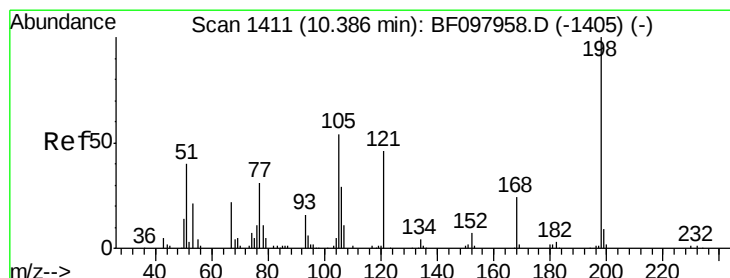
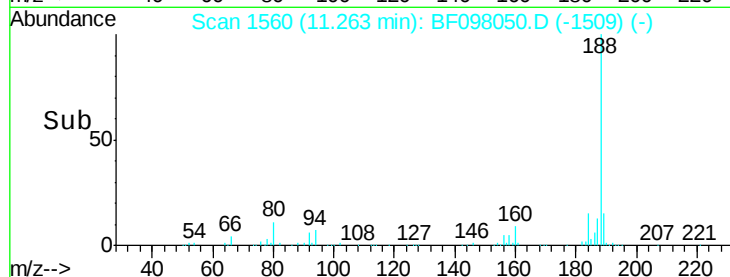
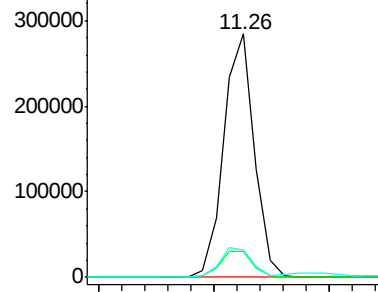
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 1560
Delta R.T. 0.00 min
Lab File: BF098050.D
Acq: 26 Aug 2017 00:31

Instrument :
BNA_F
ClientSampleId :
IRON-LEAF-TOPSOILMSD

Tot Ion:188 Resp: 262817
Ion Ratio Lower Upper
188 100
94 10.8 9.4 14.2
80 11.3 10.2 15.2

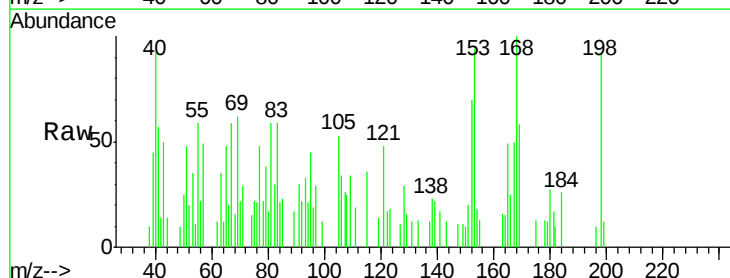


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

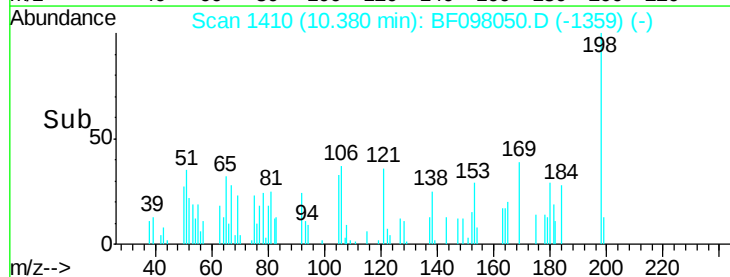
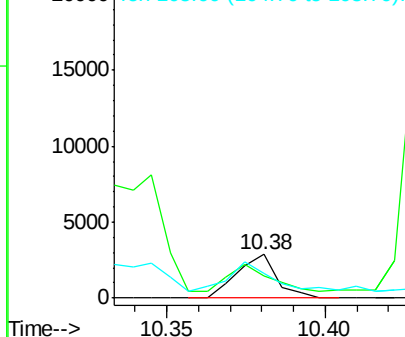


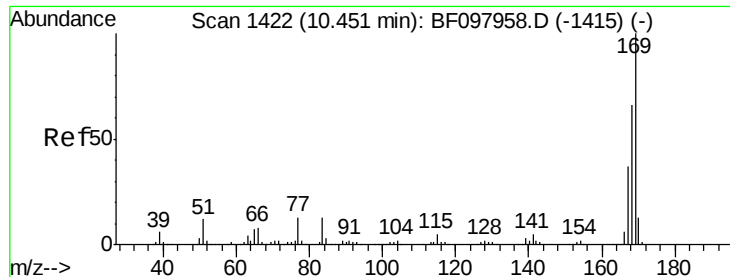
#64
4,6-Dinitro-2-methylphenol
Concen: 9.98 ng
RT: 10.38 min Scan# 1410
Delta R.T. 0.00 min
Lab File: BF098050.D
Acq: 26 Aug 2017 00:31

Tgt Ion:198 Resp: 2487
Ion Ratio Lower Upper
198 100
51 51.6 53.2 93.2#
105 57.8 45.8 85.8



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

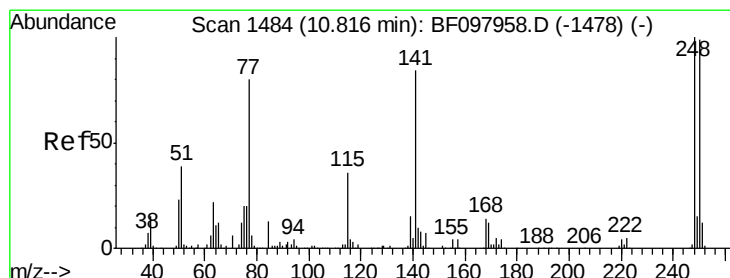
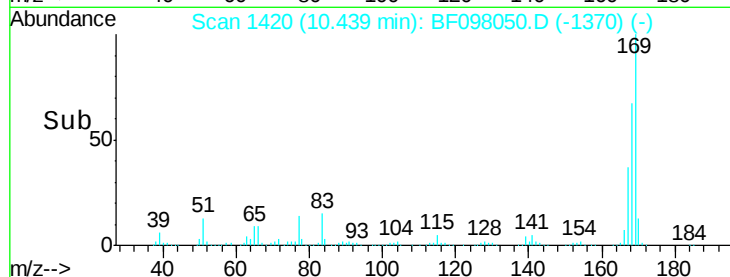
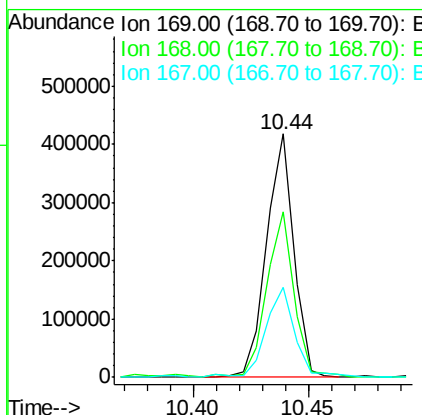
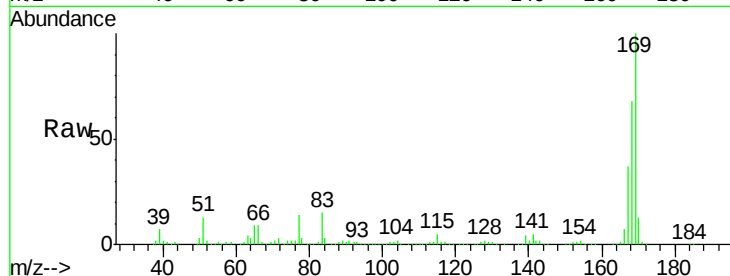




#65
n-Nitrosodiphenylamine
Concen: 38.24 ng
RT: 10.44 min Scan# 1420
Delta R.T. -0.01 min
Lab File: BF098050.D
Acq: 26 Aug 2017 00:31

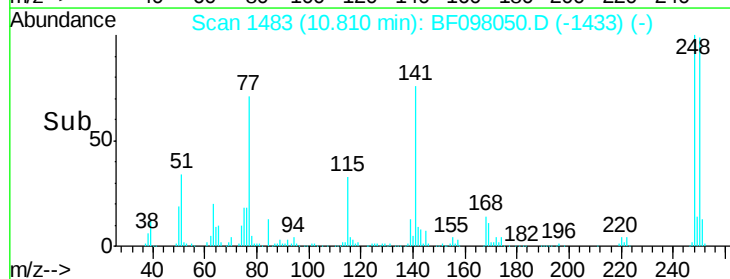
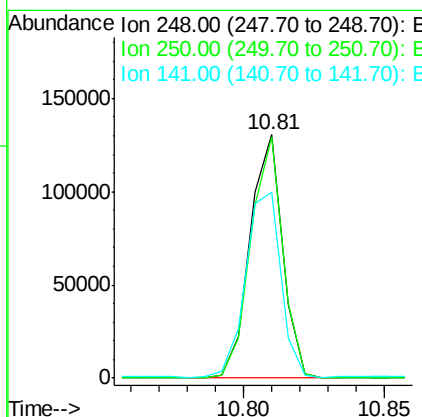
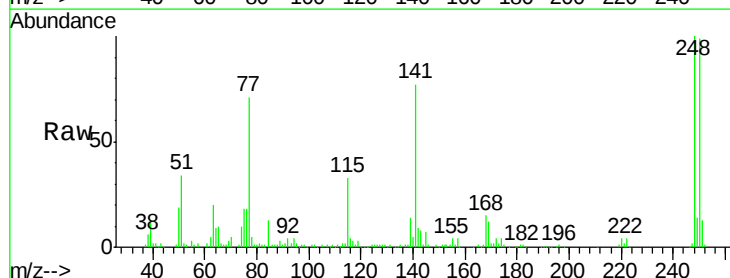
Instrument :
BNA_F
ClientSampleId :
IRON-LEAF-TOPSOILMSD

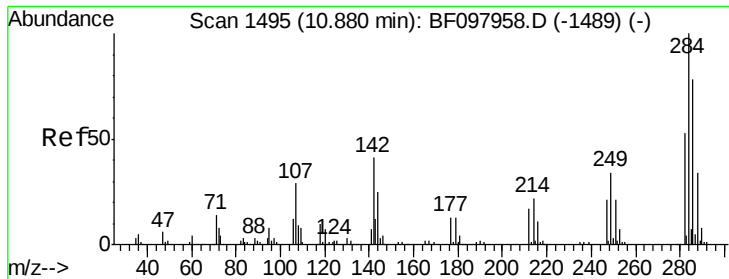
Tot Ion:169 Resp: 342234
Ion Ratio Lower Upper
169 100
168 67.8 53.2 79.8
167 37.1 29.5 44.3



#66
4-Bromophenyl-phenylether
Concen: 38.23 ng
RT: 10.81 min Scan# 1483
Delta R.T. -0.01 min
Lab File: BF098050.D
Acq: 26 Aug 2017 00:31

Tgt Ion:248 Resp: 104325
Ion Ratio Lower Upper
248 100
250 99.2 76.8 115.2
141 76.5 68.6 103.0

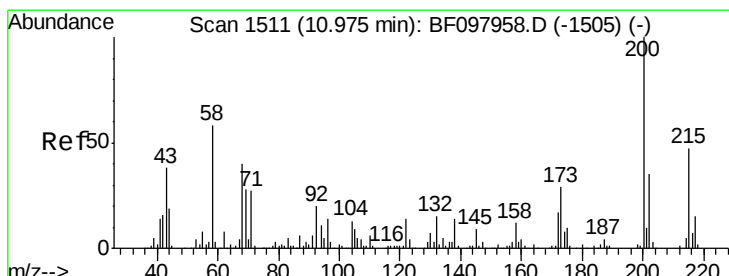
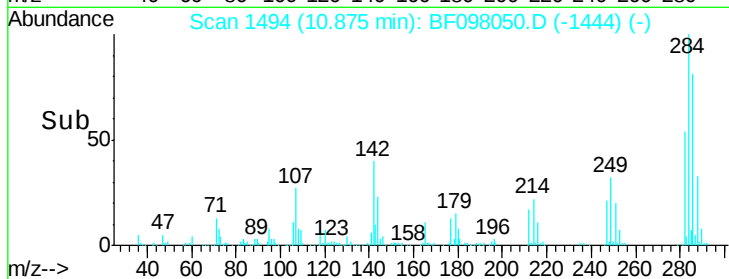
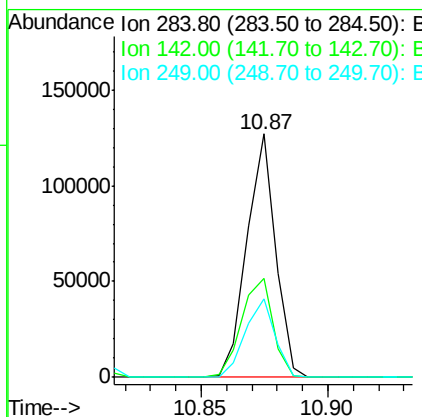
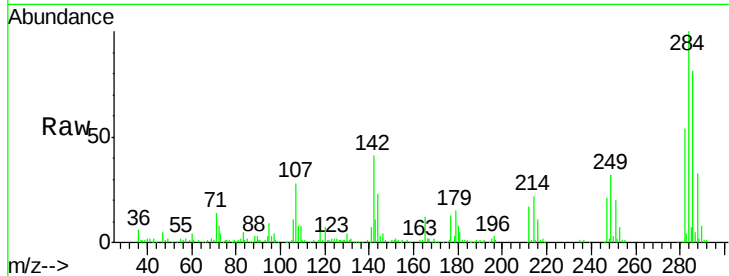




#67
Hexachlorobenzene
Concen: 36.12 ng
RT: 10.87 min Scan# 1494
Delta R.T. -0.01 min
Lab File: BF098050.D
Acq: 26 Aug 2017 00:31

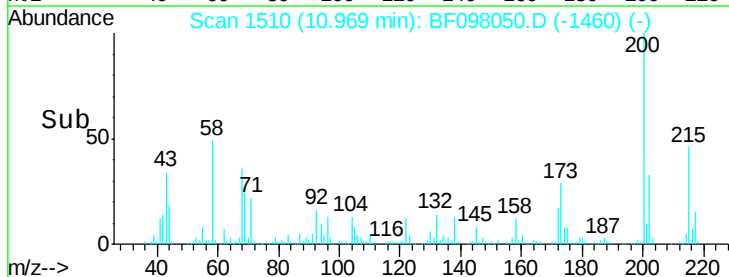
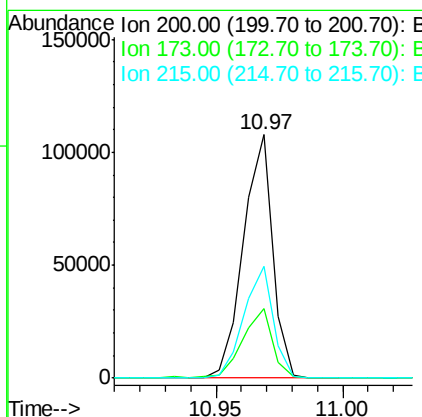
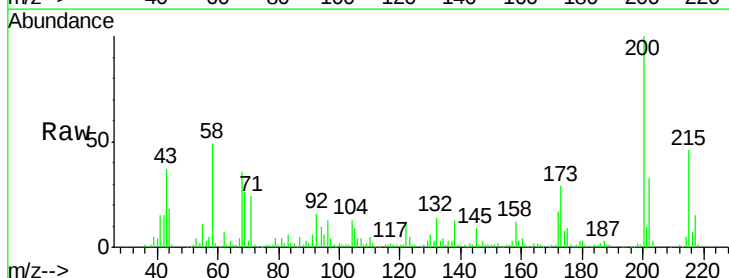
Instrument :
BNA_F
ClientSampleId :
IRON-LEAF-TOPSOILMSD

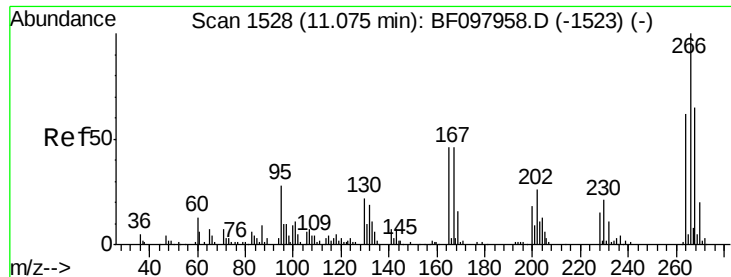
Tot Ion:284 Resp: 100476
Ion Ratio Lower Upper
284 100
142 40.7 22.8 34.2#
249 32.5 24.0 36.0



#68
Atrazine
Concen: 36.37 ng
RT: 10.97 min Scan# 1510
Delta R.T. -0.01 min
Lab File: BF098050.D
Acq: 26 Aug 2017 00:31

Tgt Ion:200 Resp: 86318
Ion Ratio Lower Upper
200 100
173 28.5 6.3 46.3
215 46.0 27.2 67.2

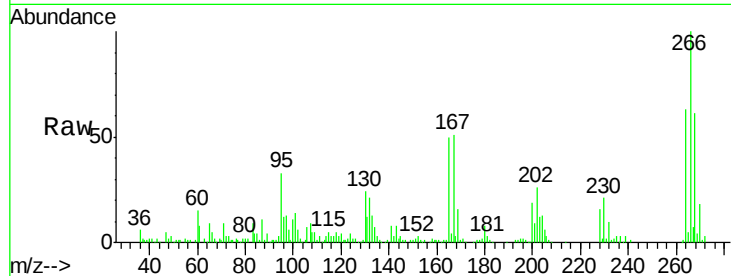




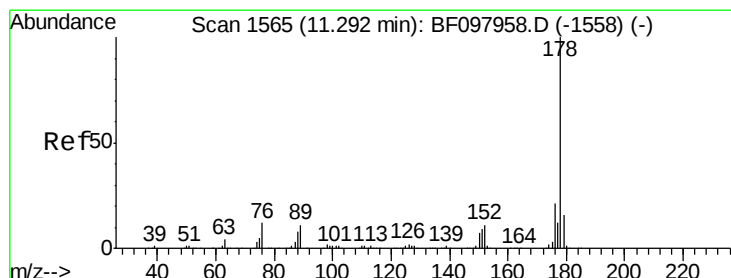
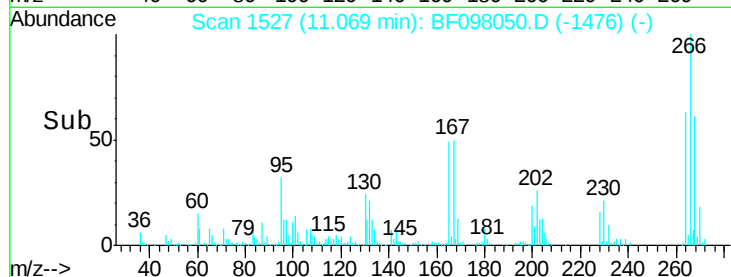
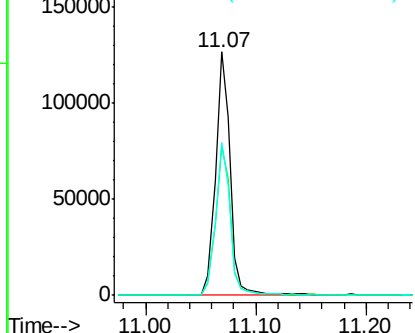
#69
 Pentachlorophenol
 Concen: 71.22 ng
 RT: 11.07 min Scan# 1527
 Delta R.T. 0.00 min
 Lab File: BF098050.D
 Acq: 26 Aug 2017 00:31

Instrument :
 BNA_F
 ClientSampleId :
 IRON-LEAF-TOPSOILMSD

Tot Ion:266 Resp: 115516
 Ion Ratio Lower Upper
 266 100
 268 61.0 51.1 76.7
 264 62.7 51.7 77.5

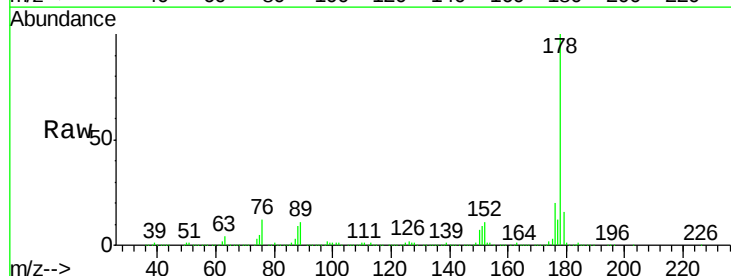


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

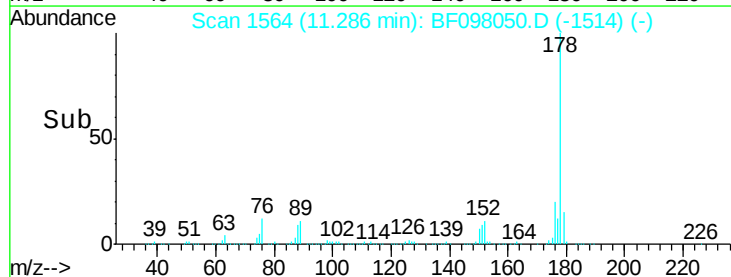
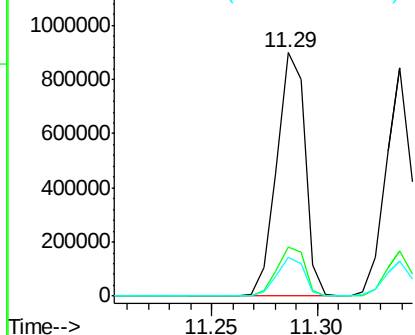


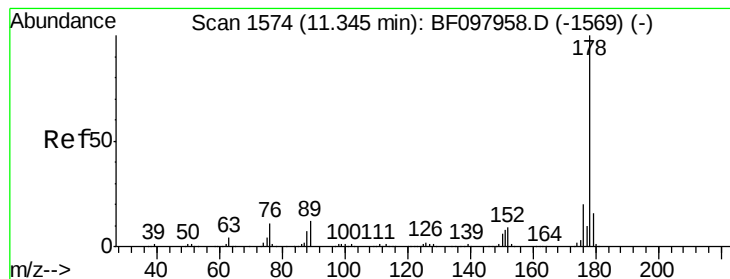
#70
 Phenanthrene
 Concen: 60.07 ng
 RT: 11.29 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF098050.D
 Acq: 26 Aug 2017 00:31

Tgt Ion:178 Resp: 841306
 Ion Ratio Lower Upper
 178 100
 176 20.2 16.2 24.4
 179 15.7 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 49.21 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.01 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Instrument :

BNA_F

ClientSampleId :

IRON-LEAF-TOPSOILMSD

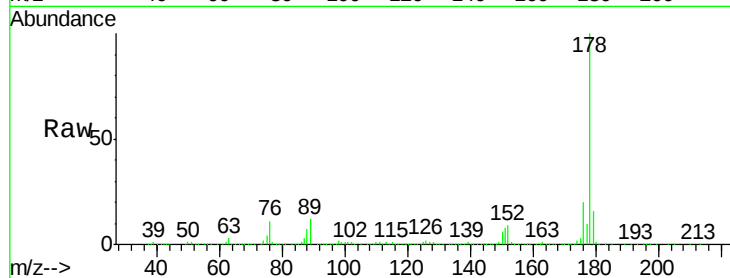
Tot Ion:178 Resp: 698992

Ion Ratio Lower Upper

178 100

176 19.9 15.8 23.8

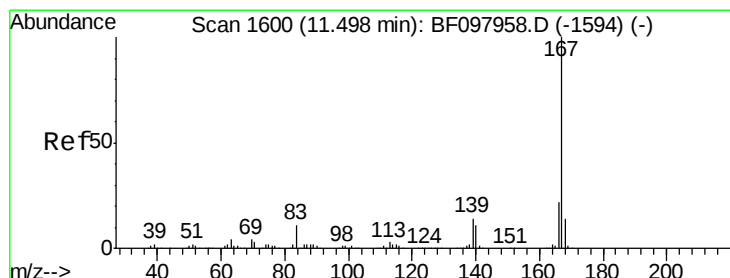
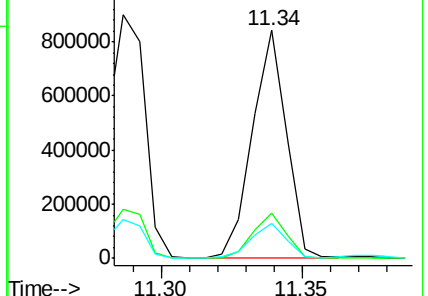
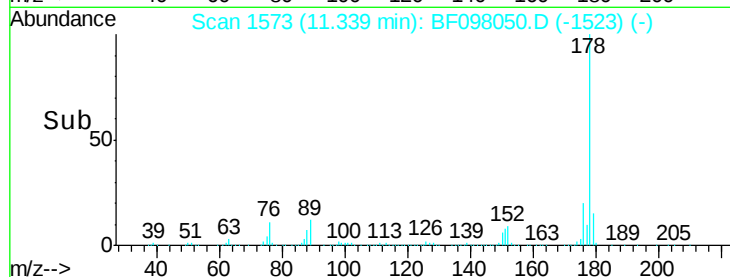
179 15.6 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 42.04 ng

RT: 11.49 min Scan# 1599

Delta R.T. -0.01 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

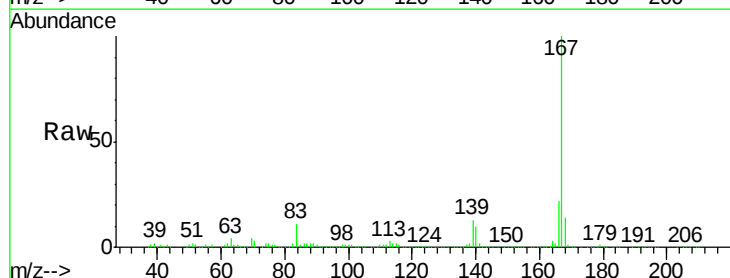
Tgt Ion:167 Resp: 566773

Ion Ratio Lower Upper

167 100

166 22.3 18.1 27.1

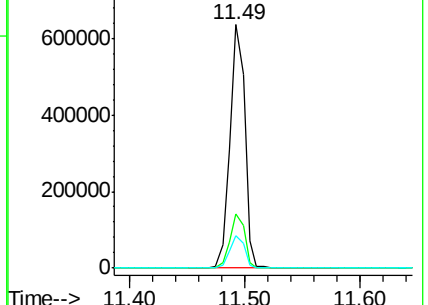
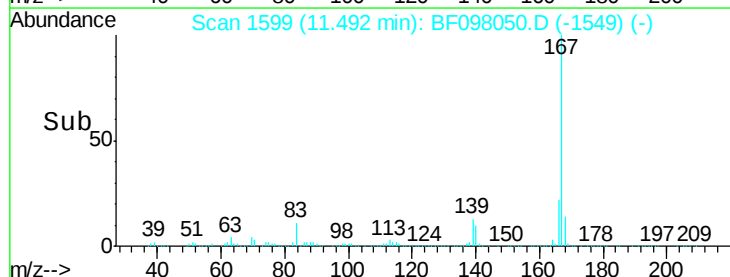
139 13.3 11.7 17.5

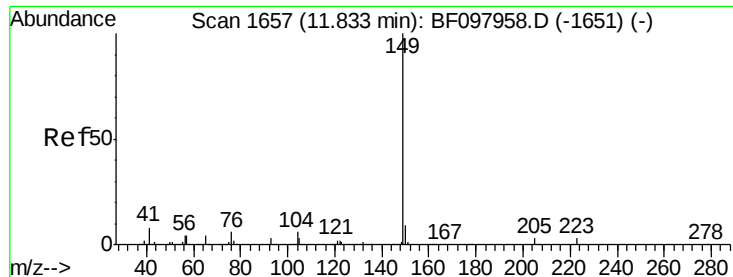


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

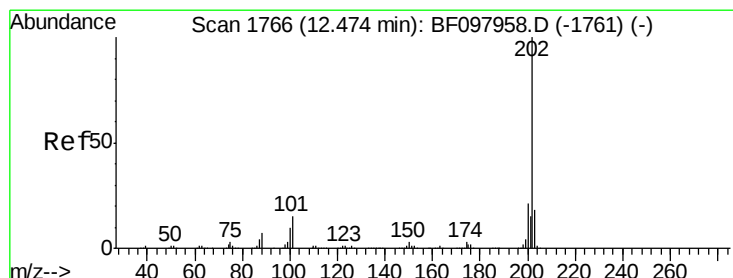
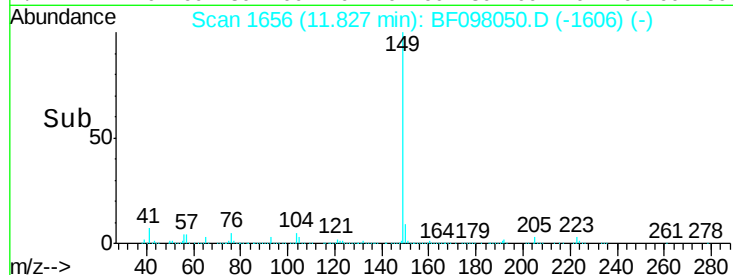
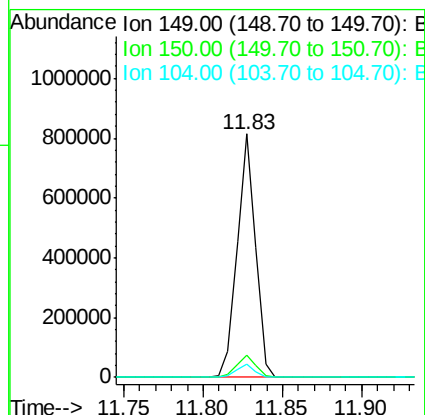
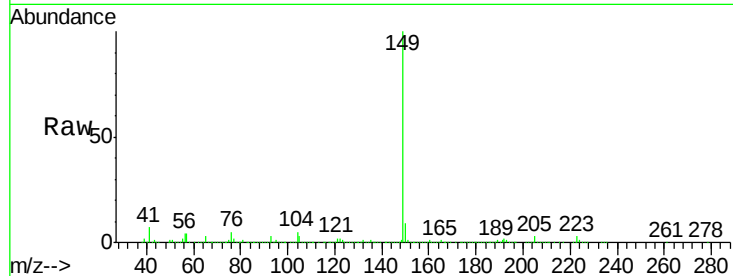




#73
Di-n-butylphthalate
Concen: 41.66 ng
RT: 11.83 min Scan# 1656
Delta R.T. -0.01 min
Lab File: BF098050.D
Acq: 26 Aug 2017 00:31

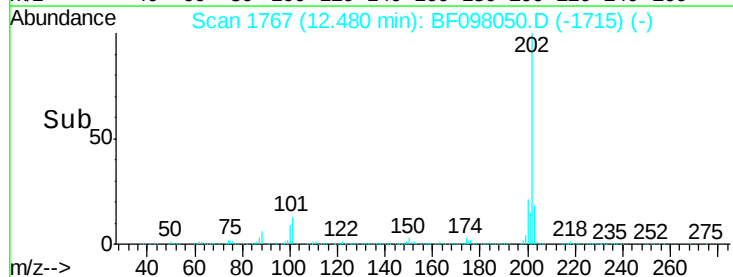
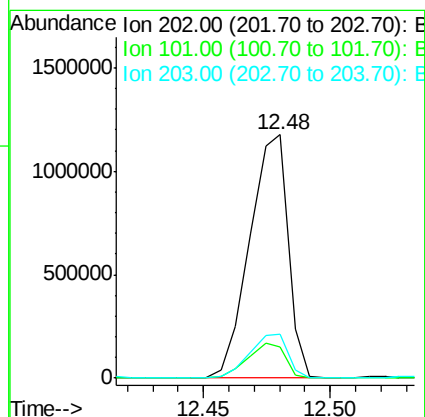
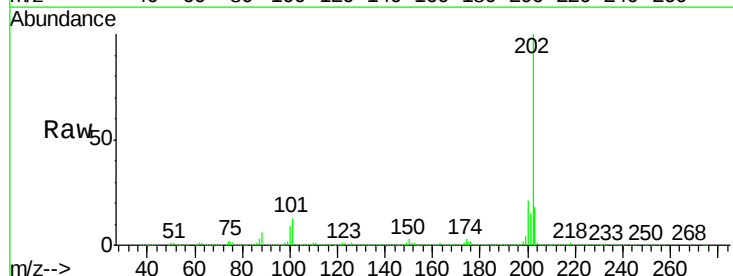
Instrument :
BNA_F
ClientSampleId :
IRON-LEAF-TOPSOILMSD

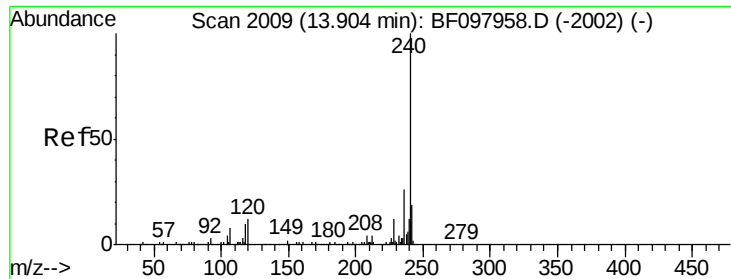
Tot Ion:149 Resp: 647044
Ion Ratio Lower Upper
149 100
150 9.2 7.7 11.5
104 5.3 4.0 6.0



#74
Fluoranthene
Concen: 85.38 ng
RT: 12.48 min Scan# 1767
Delta R.T. 0.01 min
Lab File: BF098050.D
Acq: 26 Aug 2017 00:31

Tgt Ion:202 Resp: 1248130
Ion Ratio Lower Upper
202 100
101 13.0 0.0 33.2
203 17.9 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.90 min Scan# 2008

Delta R.T. 0.00 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Instrument :

BNA_F

ClientSampleId :

IRON-LEAF-TOPSOILMSD

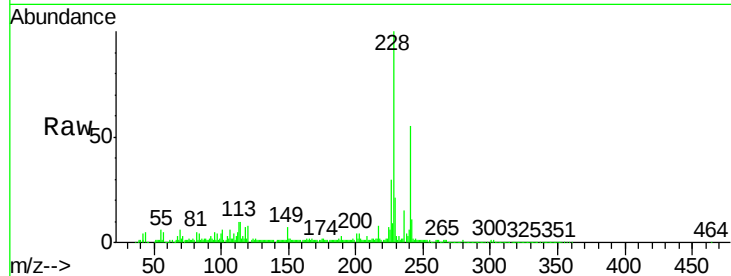
Tot Ion:240 Resp: 173992

Ion Ratio Lower Upper

240 100

120 15.3 5.8 8.8#

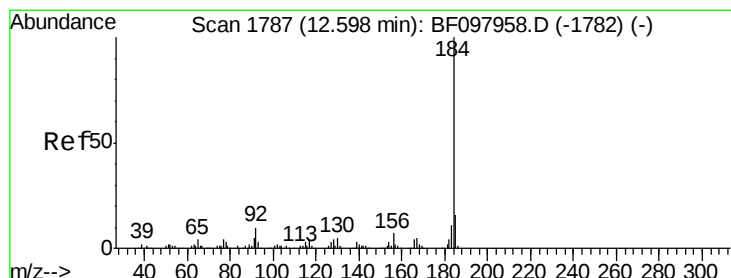
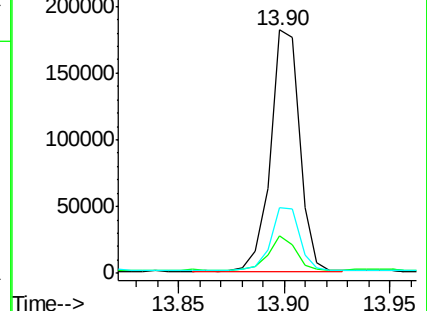
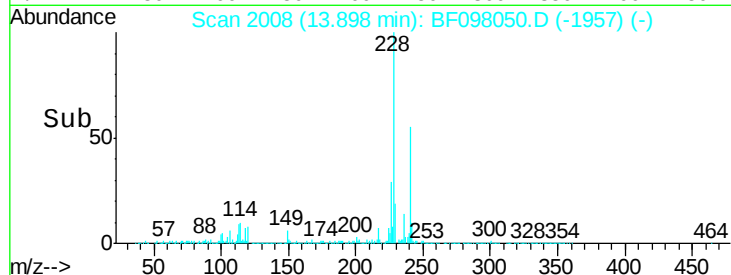
236 27.2 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 19.62 ng

RT: 12.60 min Scan# 1787

Delta R.T. 0.00 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

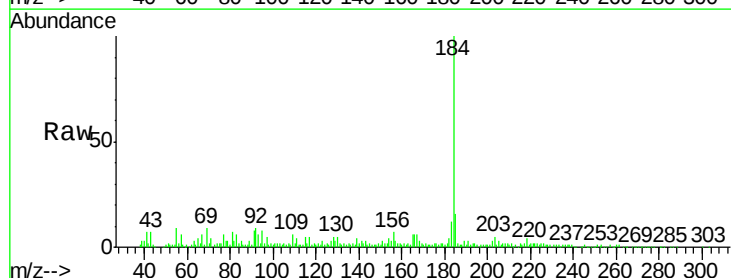
Tgt Ion:184 Resp: 111926

Ion Ratio Lower Upper

184 100

185 15.6 15.5 23.3

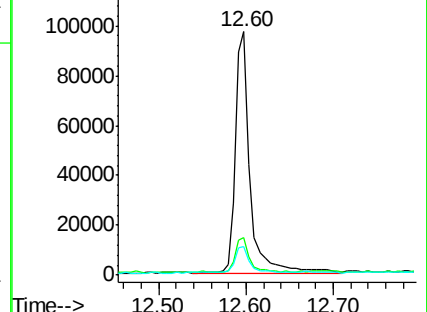
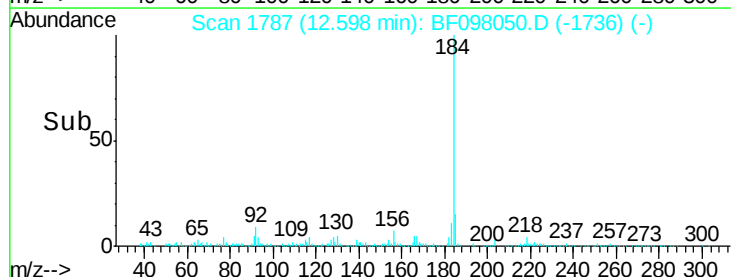
183 12.0 9.8 14.6

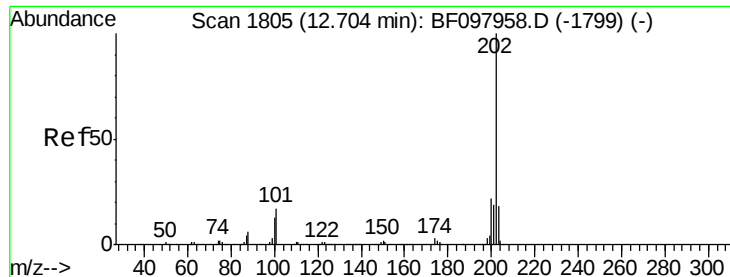


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 86.78 ng

RT: 12.70 min Scan# 1805

Delta R.T. 0.00 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Instrument :

BNA_F

ClientSampleId :

IRON-LEAF-TOPSOILMSD

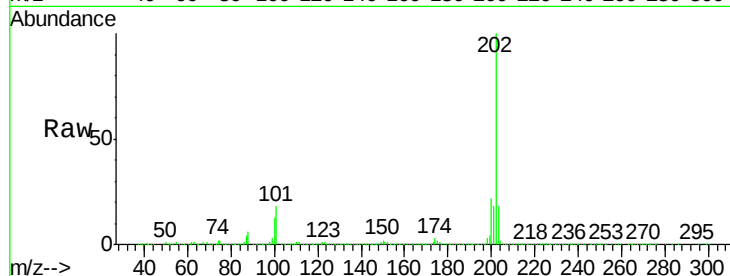
Tot Ion:202 Resp: 1234918

Ion Ratio Lower Upper

202 100

200 21.6 17.6 26.4

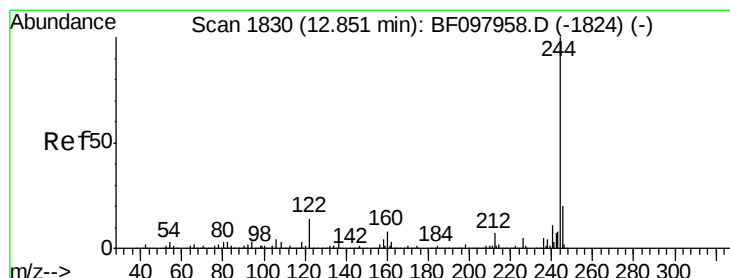
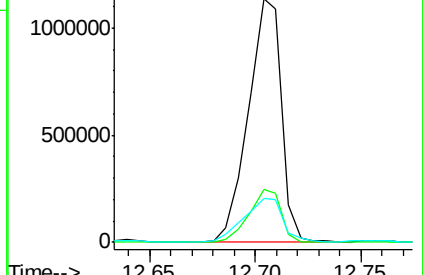
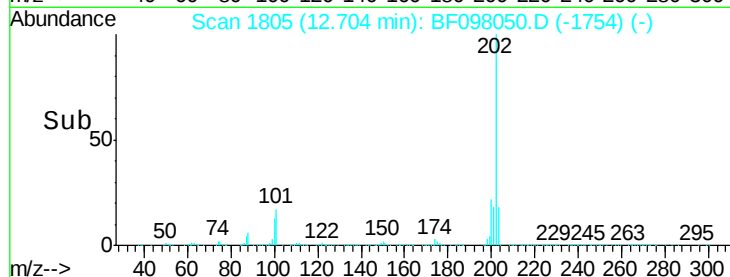
203 18.2 14.4 21.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 72.10 ng

RT: 12.85 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

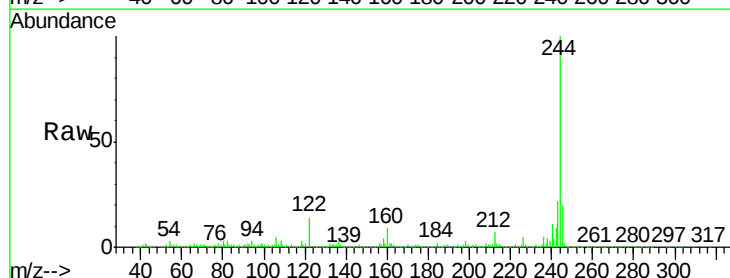
Tgt Ion:244 Resp: 601586

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

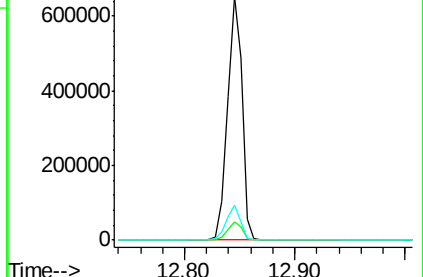
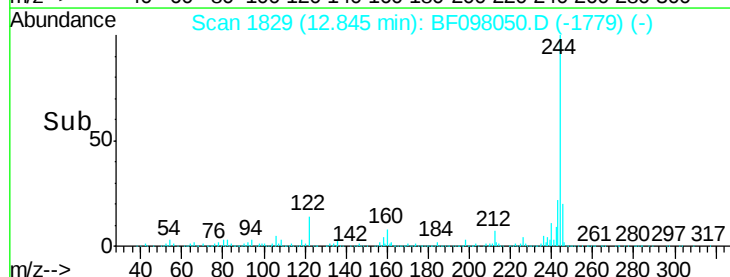
122 14.2 10.3 15.5

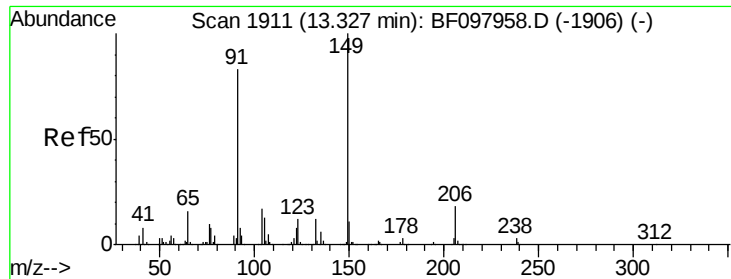


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 50.54 ng

RT: 13.32 min Scan# 1910

Delta R.T. -0.01 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Instrument :

BNA_F

ClientSampleId :

IRON-LEAF-TOPSOILMSD

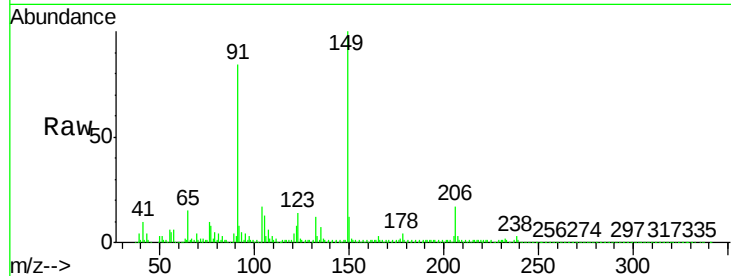
Tot Ion:149 Resp: 275721

Ion Ratio Lower Upper

149 100

91 84.1 45.0 67.4#

206 17.4 17.0 25.6



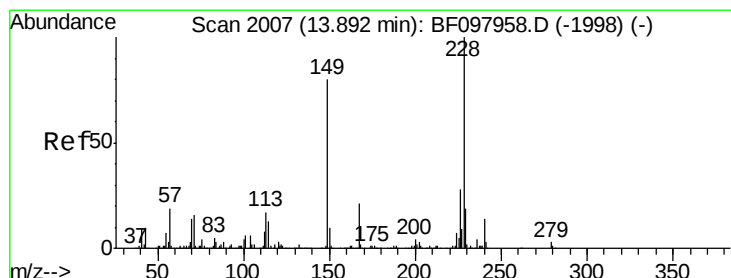
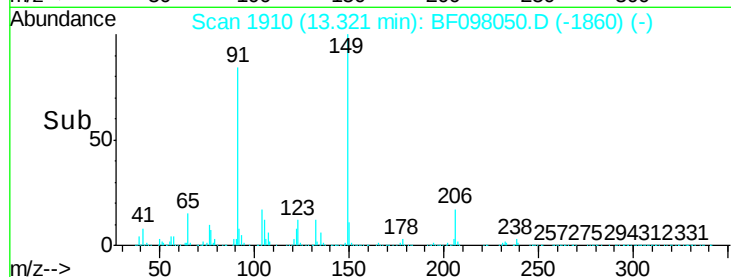
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E

13.32

Time--> 13.25 13.30 13.35



#80

Benzo(a)anthracene

Concen: 62.12 ng

RT: 13.89 min Scan# 2007

Delta R.T. 0.01 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

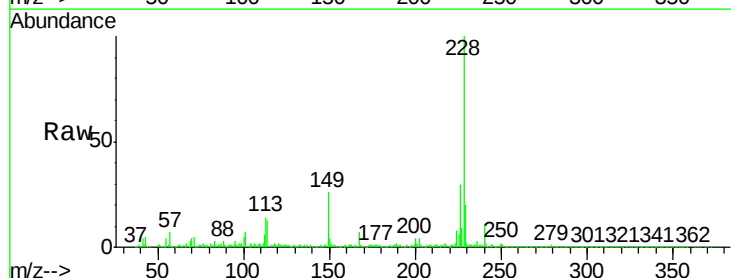
Tgt Ion:228 Resp: 647795

Ion Ratio Lower Upper

228 100

226 29.7 22.6 33.8

229 20.5 16.3 24.5



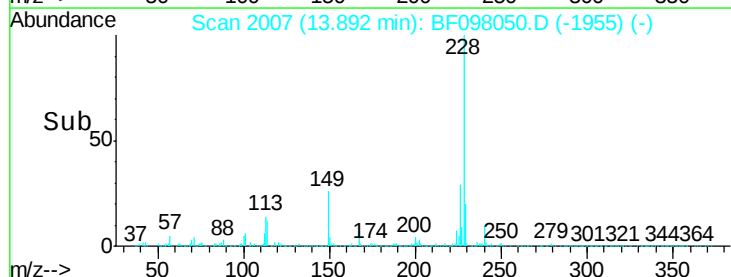
Abundance Ion 228.00 (227.70 to 228.70): E

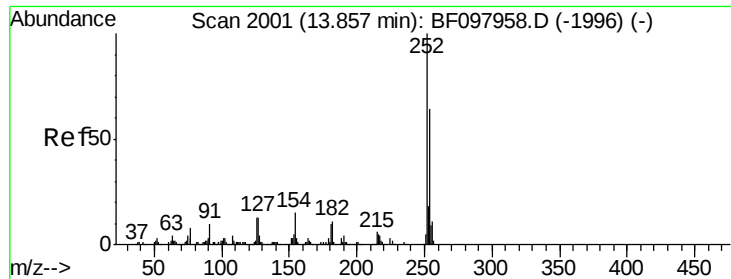
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

13.89

Time--> 13.85 13.90

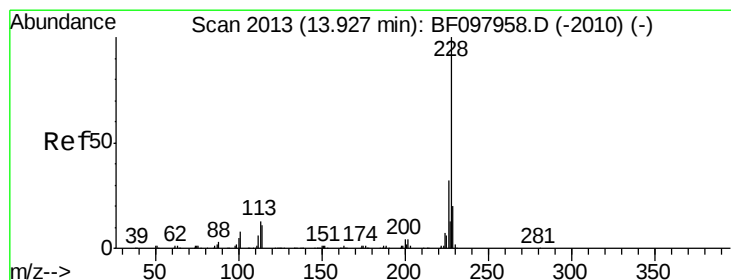
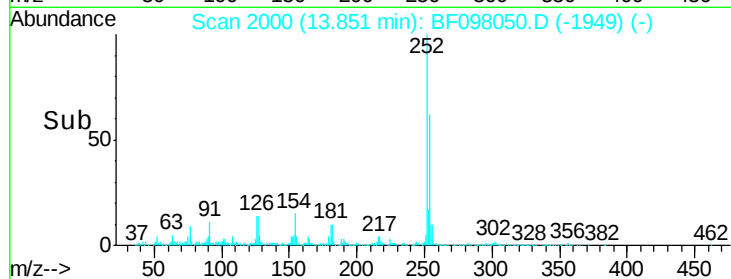
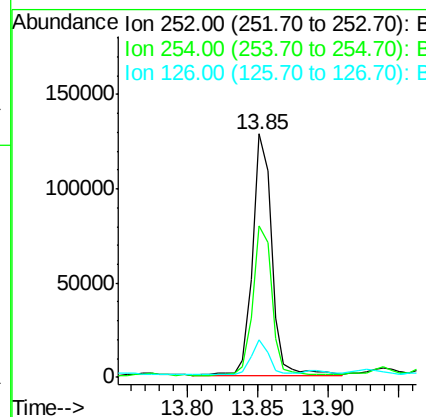
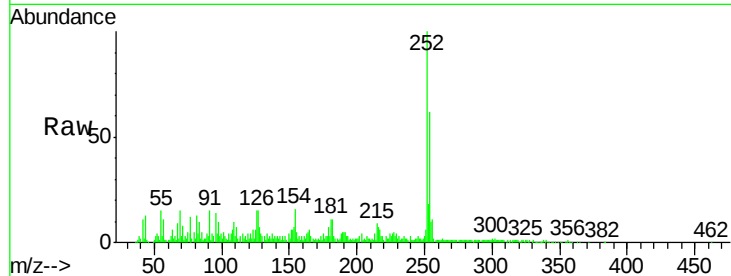




#81
 3,3'-Dichlorobenzidine
 Concen: 34.97 ng
 RT: 13.85 min Scan# 2000
 Delta R.T. 0.00 min
 Lab File: BF098050.D
 Acq: 26 Aug 2017 00:31

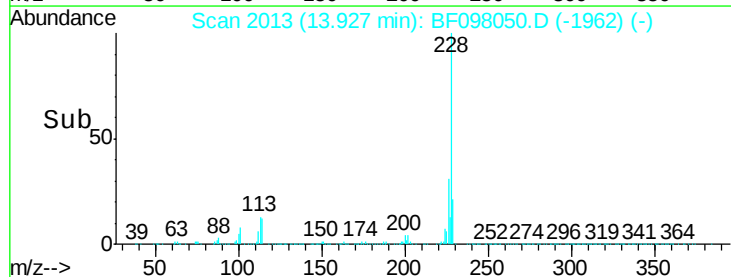
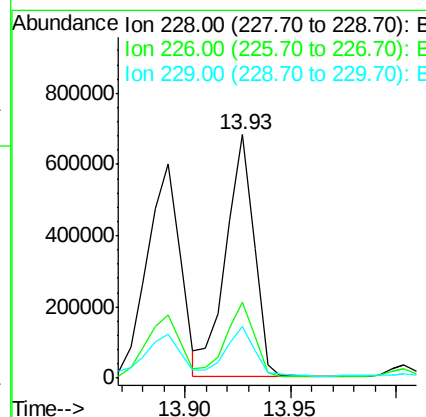
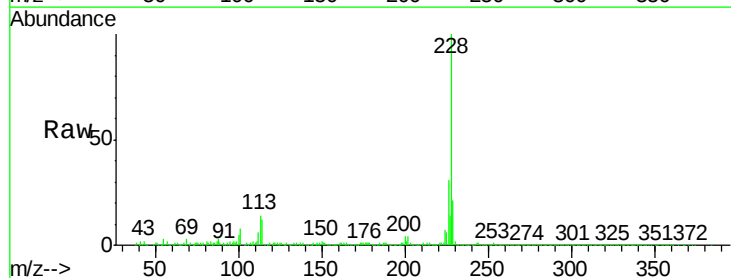
Instrument :
 BNA_F
 ClientSampleId :
 IRON-LEAF-TOPSOILMSD

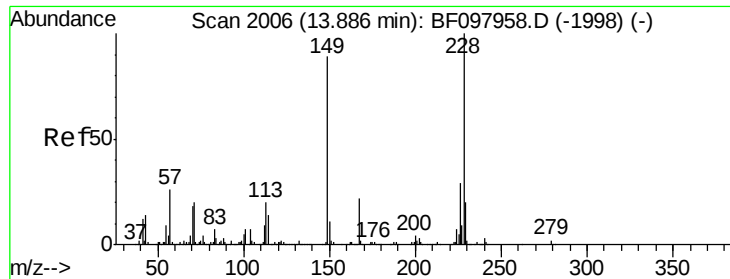
Tot Ion	Ratio	Lower	Upper
252	100		
254	62.4	51.5	77.3
126	15.4	15.8	23.8



#82
 Chrysene
 Concen: 60.94 ng
 RT: 13.93 min Scan# 2013
 Delta R.T. 0.00 min
 Lab File: BF098050.D
 Acq: 26 Aug 2017 00:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.9	37.3
229	21.4	15.8	23.6

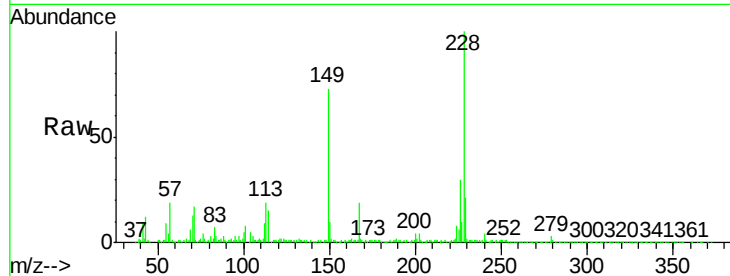




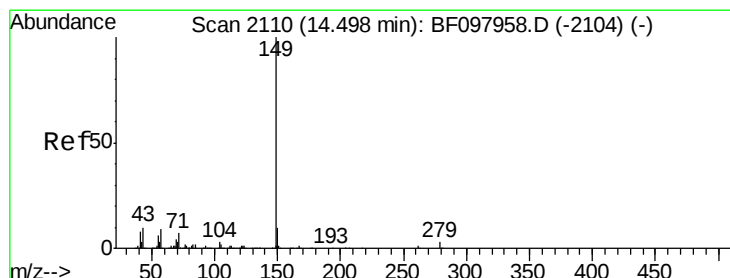
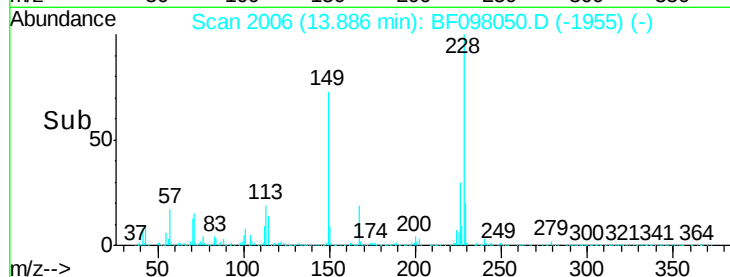
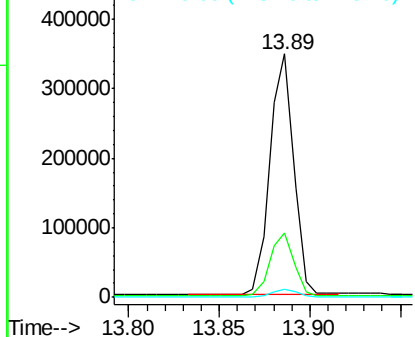
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 52.08 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. 0.00 min
 Lab File: BF098050.D
 Acq: 26 Aug 2017 00:31

Instrument :
 BNA_F
 ClientSampleId :
 IRON-LEAF-TOPSOILMSD

Tot Ion:149 Resp: 314894
 Ion Ratio Lower Upper
 149 100
 167 26.6 21.0 31.4
 279 3.6 1.9 2.9#

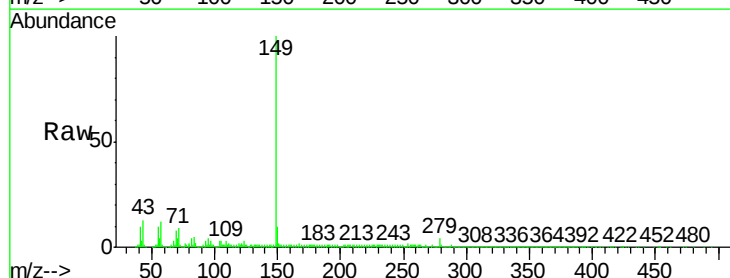


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

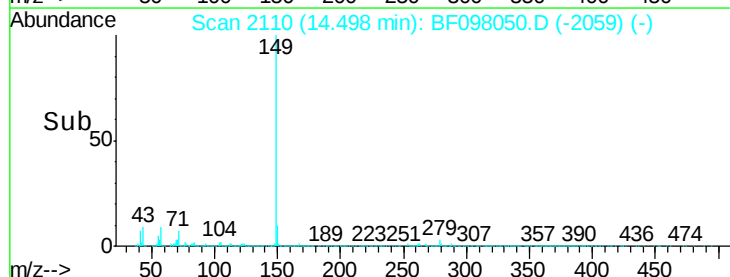
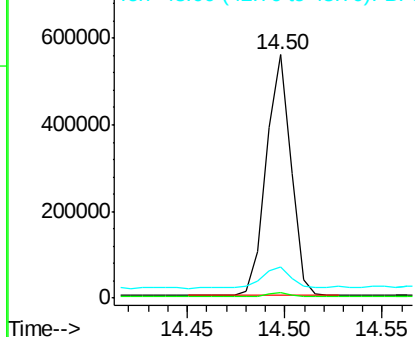


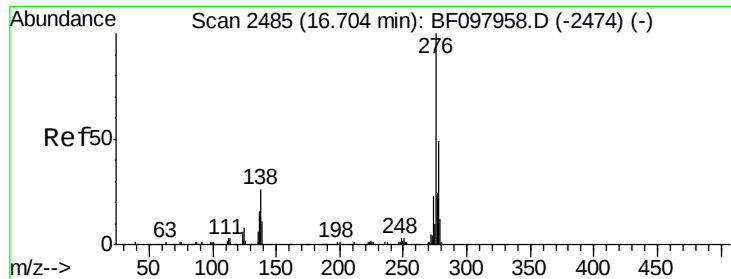
#84
 Di-n-octyl phthalate
 Concen: 46.38 ng
 RT: 14.50 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: BF098050.D
 Acq: 26 Aug 2017 00:31

Tgt Ion:149 Resp: 487863
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.2 1.8
 43 10.8 8.5 12.7



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 43.00 (42.70 to 43.70): BF0

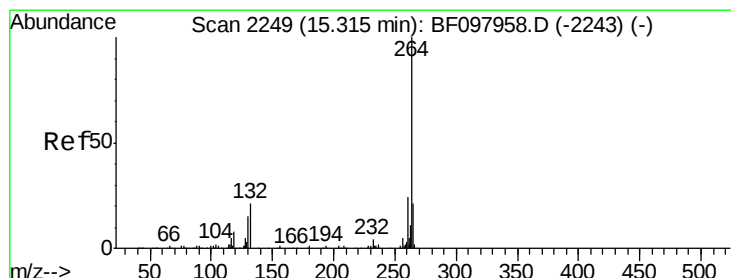
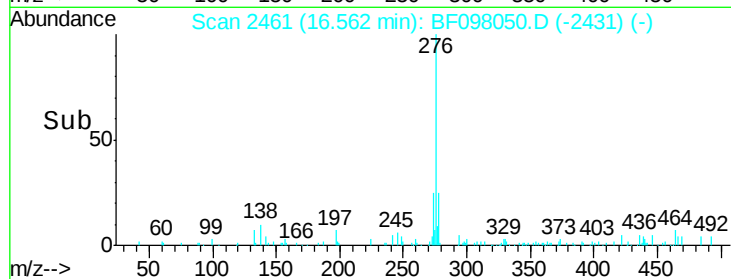
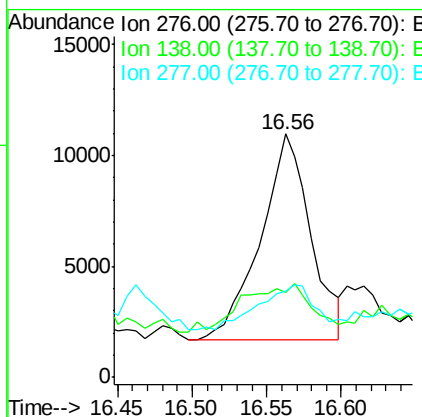
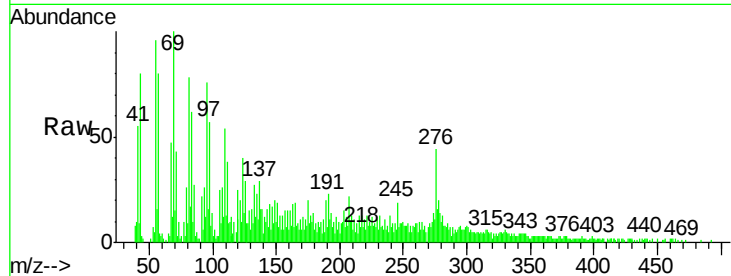




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.86 ng
RT: 16.56 min Scan# 2461
Delta R.T. -0.12 min
Lab File: BF098050.D
Acq: 26 Aug 2017 00:31

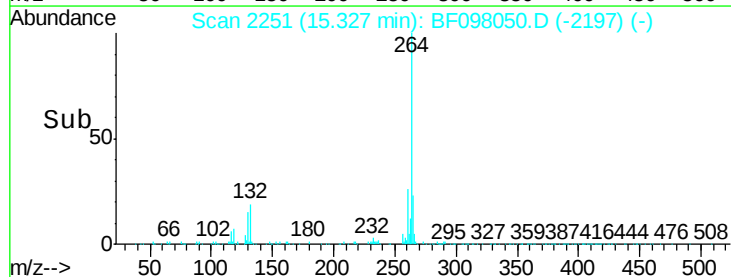
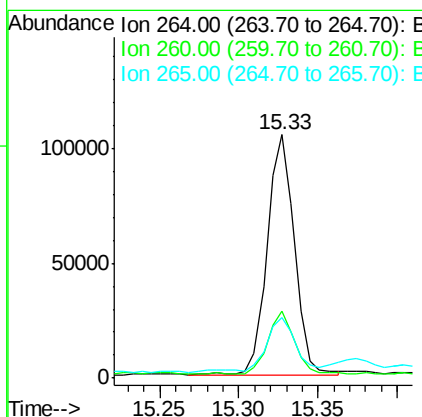
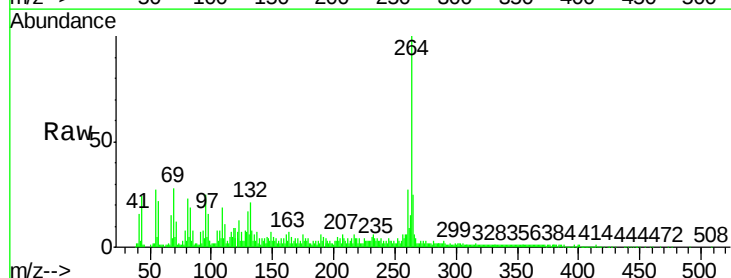
Instrument :
BNA_F
ClientSampleId :
IRON-LEAF-TOPSOILMSD

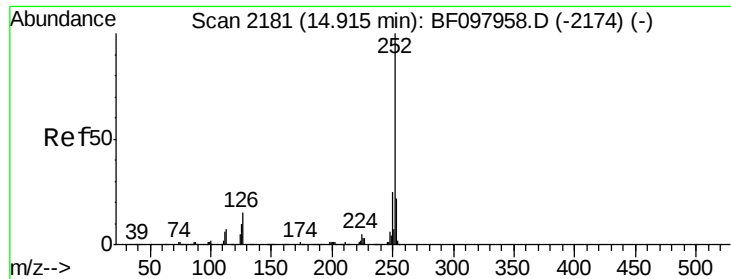
Tot Ion:276 Resp: 21854
Ion Ratio Lower Upper
276 100
138 31.4 27.8 41.6
277 24.7 20.2 30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.33 min Scan# 2251
Delta R.T. 0.02 min
Lab File: BF098050.D
Acq: 26 Aug 2017 00:31

Tgt Ion:264 Resp: 126132
Ion Ratio Lower Upper
264 100
260 27.5 19.5 29.3
265 24.8 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 66.05 ng

RT: 14.92 min Scan# 2182

Delta R.T. 0.01 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Instrument :

BNA_F

ClientSampleId :

IRON-LEAF-TOPSOILMSD

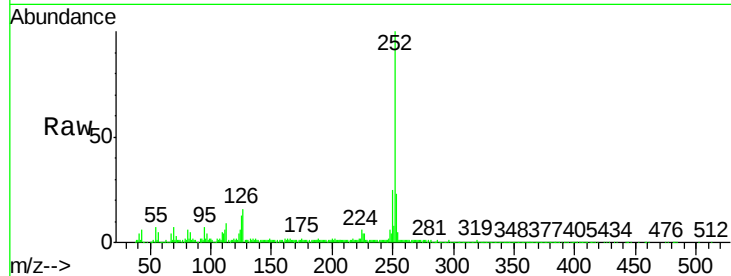
Tot Ion:252 Resp: 525127

Ion Ratio Lower Upper

252 100

253 23.1 18.1 27.1

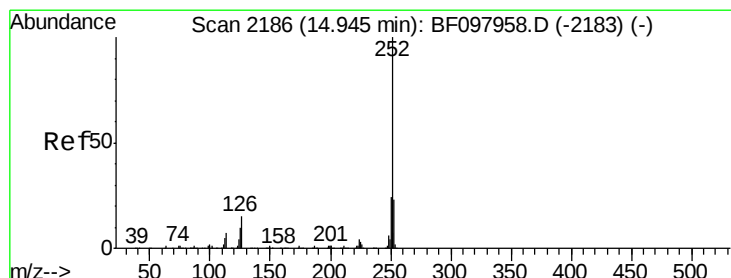
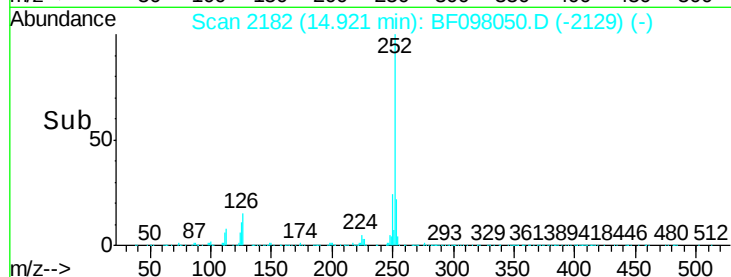
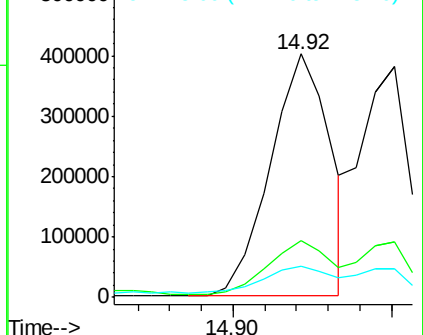
125 12.9 9.8 14.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 53.98 ng

RT: 14.95 min Scan# 2187

Delta R.T. 0.01 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

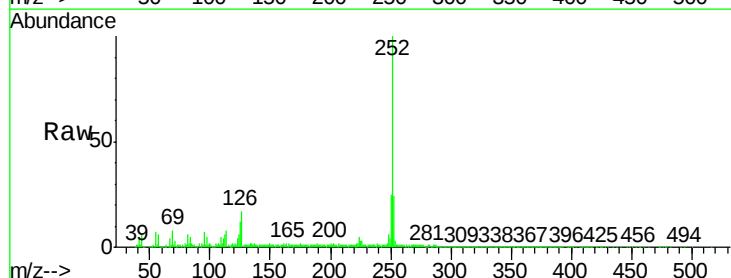
Tgt Ion:252 Resp: 403211

Ion Ratio Lower Upper

252 100

253 24.1 18.4 27.6

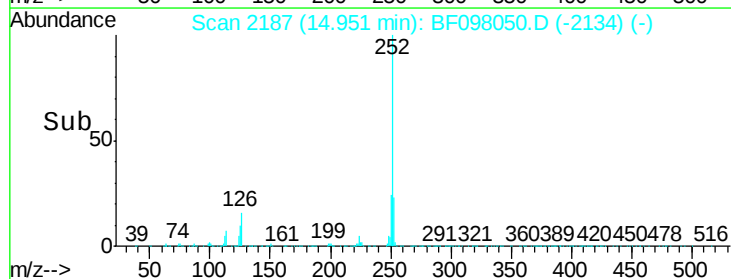
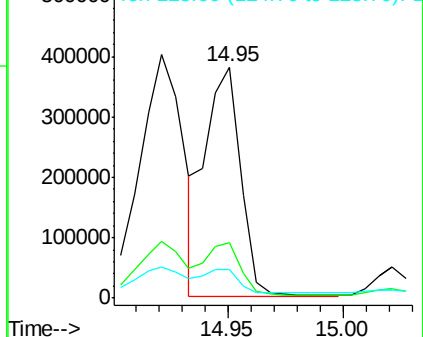
125 12.2 13.1 19.7#

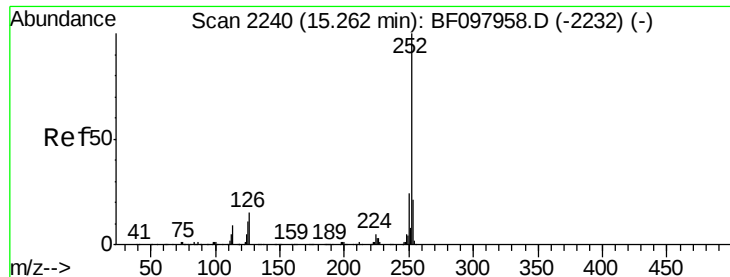


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 67.34 ng

RT: 15.27 min Scan# 2242

Delta R.T. 0.02 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

Instrument :

BNA_F

ClientSampleId :

IRON-LEAF-TOPSOILMSD

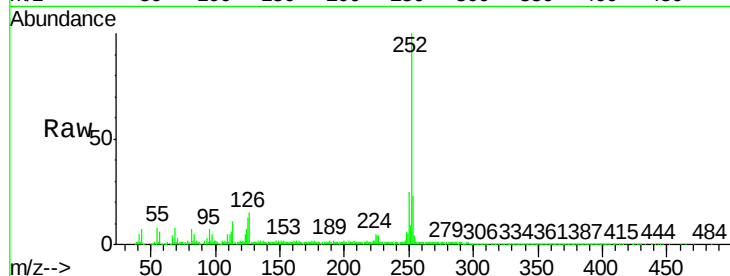
Tot Ion:252 Resp: 473962

Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

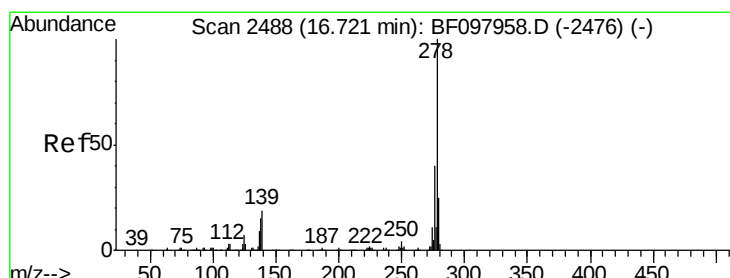
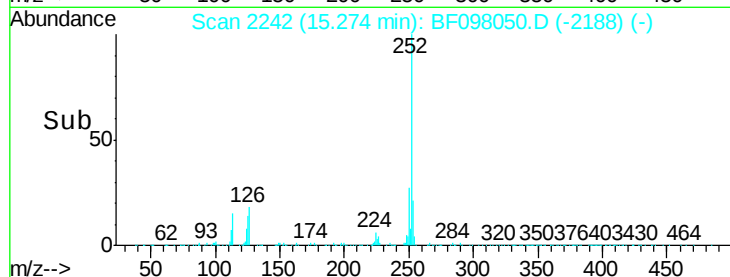
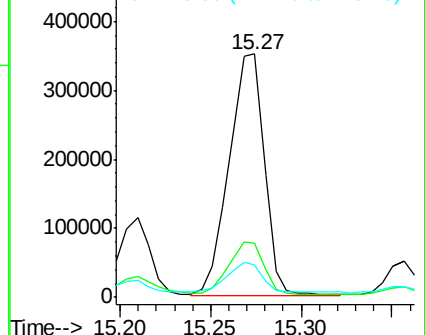
125 13.1 11.0 16.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 44.81 ng

RT: 16.74 min Scan# 2491

Delta R.T. 0.03 min

Lab File: BF098050.D

Acq: 26 Aug 2017 00:31

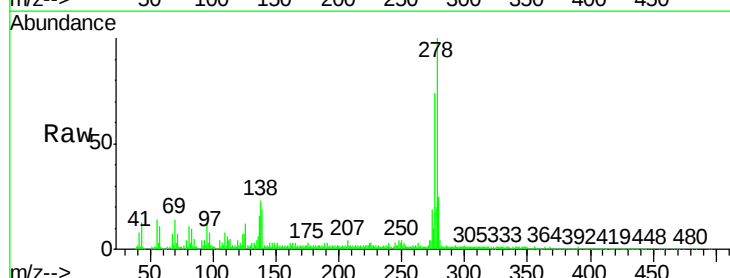
Tgt Ion:278 Resp: 256743

Ion Ratio Lower Upper

278 100

139 19.1 16.6 24.8

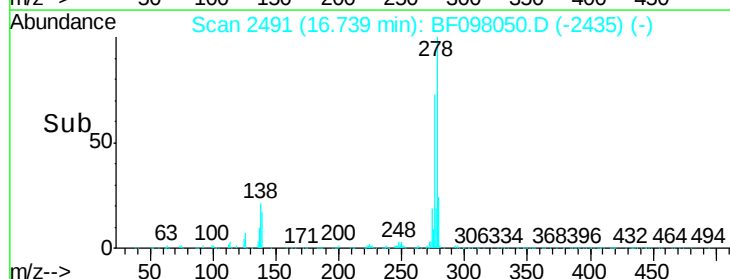
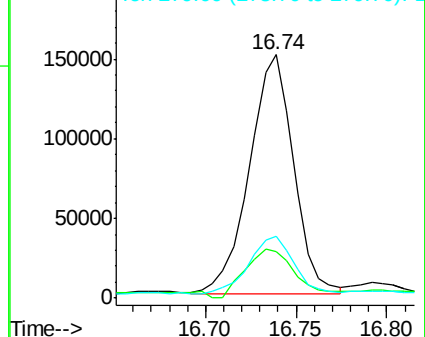
279 25.3 19.3 28.9

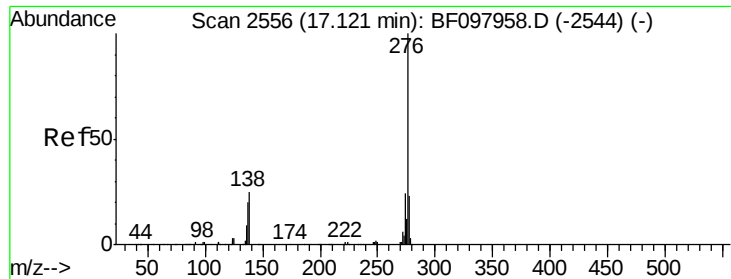


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

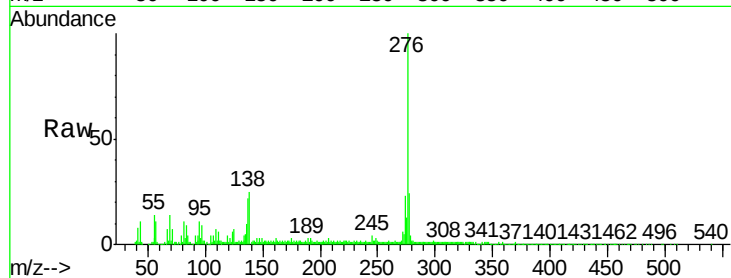




#91
 Benzo(a,h,i)perylene
 Concen: 57.02 ng
 RT: 17.15 min Scan# 2561
 Delta R.T. 0.04 min
 Lab File: BF098050.D
 Acq: 26 Aug 2017 00:31

Instrument :
 BNA_F
 ClientSampleId :
 IRON-LEAF-TOPSOILMSD

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.6	28.0
138	24.6	25.4	38.0



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

